



**The 2022 World Merchant Fleet
Statistics from Equasis**

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Chapter 1

1. Themes and Tables

INTRODUCTION

This report provides a picture of the world's merchant fleet in 2022, derived from data contained in the Equasis database. It examines the structure and characteristics of the fleet and its performance. The statistics are grouped into themes which could be of interest to the industry and regulators, as follows:

1. The Merchant Fleet Population,
2. Classification Societies,
3. P&I Clubs and Insurance Companies,
4. Port State Control, and
5. Trade Associations and Industry Vetting Programmes.

OVERVIEW

Equasis is populated with data from the world's merchant ships of 100 GT and above. Basic ship particulars are derived from the commercial database of IHS Markit – S&P Global Market Intelligence.

From a commercial and regulatory point of view, size and type of ship are two key criteria on which the statistical analysis is based. For the PSC statistics in Chapter 5, ships are divided into ship type categories derived from PSC databases.

This report also contains information on fishing vessels of 100 GT and above with an IMO number. There were total of 25,935 fishing vessels reported to Equasis in 2022. Those vessels now represent 20.4% of the ships in the Equasis information system. More than one fifth of those vessels are over 500 GT and therefore are included in the statistics, where appropriate.

SIZE

Ships are grouped by size into four categories:

1. Small ships 100 GT to 499 GT,
2. Medium ships 500 GT to 24,999 GT,
3. Large ships 25,000 GT to 59,999 GT; and
4. Very Large ships $\geq 60,000$ GT.

The small ships size category reflects the tonnage below the threshold for merchant ships to comply with the SOLAS Convention. For that reason, small ships are excluded from some of the data tables in order to avoid distortion of the totals and only included in Sub-Chapters 2.1, 2.2, 2.4, Sub-Chapters 3.1, 3.2, Sub-Chapters 5.1 and 5.6.

Regulatory and commercial tonnage thresholds are not common to all ship types. As a compromise, for ships ≥ 500 GT the categories medium, large and very-large were chosen to divide the fleet into three approximately equal parts in terms of tonnage.

SHIP TYPES

Equasis uses as baseline over 100 descriptions of ship types provided IHS Markit – S&P Global Maritime & Trade. For this report those were aggregated into 13 main ship types as follows:

- Bulk Carriers,
- Container Ships,
- Fishing vessels
- Gas Tankers,
- General Cargo Ships,
- Offshore Vessels,
- Oil and Chemical Tankers,
- Other Tankers,
- Passenger Ships,
- Ro-Ro Cargo Ships,
- Service Ships,
- Specialized Cargo Ships and
- Tugs.

Annex I describes how this aggregation was done based on IHS StatCode 5 Shiptype Coding System. This Annex is

regularly reviewed to include new possible ship types and accurately reflect the situation of the world merchant fleet.

PSC SHIP TYPES

Port State Control (PSC) regimes use specific ship type categories that are different from the ones used by IHS Markit – S&P Global Maritime & Trade. From 2011 onwards, those categories have been used in Chapter 5 instead of the aggregation described above.

When a ship has never been inspected or when the ship type is not reported in the PSC data provided to Equasis, it is not possible to attribute a “PSC ship type” for eligible ships based on inspection reports. In those cases, a “default PSC ship type” is used. The “default PSC ship type” is based on the ship type as provided by IHS Markit – S&P Global Maritime & Trade.

Annex III provides the aggregation used for that purpose. This Annex was established mainly through statistical analysis and direct comparisons between IHS Markit Maritime & Trade ship types and PSC ship types. It cannot be directly compared to Annex I as the intention is not to create categories of ships but instead to attribute a PSC ship type to eligible ships that were not inspected.

FLAG STATES

Flag States (under which ships are registered) are grouped in two categories, “*targeted*” and “*non-targeted*”.

Those in the “*targeted*” group are the flag States that appear on at least one of the following: the Paris MoU Black list, the Tokyo MoU Black list and the USCG Annual Targeted Flag list.

Other PSC regimes provide their inspection results to Equasis, but do not use flag target lists.

Those are annual lists and reflect the safety performance of ships registered to each flag State as measured by the number of port State inspections and detentions recorded over a three-year period.

It is possible for a flag State to be “*targeted*” in one regime but not in another. This can be because its safety performance – detention rate – is varying depending on the location of the fleet. A

detention recorded in a region where a few numbers of ships are calling would lead to a high detention rate in that region.

Further details are included in the list of the respective regimes’ PSC Annual Reports. The list of targeted flag States, based on the 2022 annual reports of the Paris MoU, the Tokyo MoU and the US Coast Guard, is referenced in Annex II.

Equasis is not currently provided with data on PSC inspections under Riyadh MoU.

SOURCE OF INFORMATION

Equasis is fed by 53 data providers (60 different data provisions) which can be divided into six categories:

1. Core ship and company data,
2. PSC regimes,
3. Classification societies,
4. P&I clubs and insurance companies,
5. Intergovernmental organisations and national agencies, and
6. Private inspections and industry associations.

More information about Equasis data providers can be found in Equasis [website](#).

Chapter 2

2. The Merchant Fleet Population

INTRODUCTION

The tables in this chapter provide a picture of the fleet of ships in Equasis in terms of type, size, age and the flag under which the ship is registered.

RESULTS

Graph 1 shows that, by number, the Equasis fleet is dominated by small and medium sized ships up to 24,999 GT (84%). Small ships alone represent 46% of the fleet, by number.

The five most common ship types by number are (Table 1):

1. Fishing vessels (20.4%),
 2. Tugs (15.8%),
 3. General cargo ships (13.1%),
 4. Oil and chemical tankers (11.5%); and
 5. Bulk carriers (10.4%),
- representing practically three quarters of the Equasis fleet.

Tables 1 and 2 show that within the large and very large categories, bulk carriers (43.5%), oil and chemical tankers (24.7%) and container ships (15.9%) represent close to 85% of the fleet in number in these ship size categories. These figures show no significant changes from last year.

In terms of tonnage, 84.7% of the large and 80.6% of the very large size ships are either oil and chemical tankers, bulk carriers, or container ships.

Table 3 shows that more than 40% of the fleet was more than 25 years old in 2022 with around 60% of those in the small ships category. Most of the small ships (72%) and medium ships (60.6%) were more than 15 years old in 2022. On the other hand, most of the large (64.4%) and very large ships (71.9%) were less than 15 years old.

The fleet of new ships with an age between 0 and 4 years has remained evenly

distributed over the years across the ship size categories with most of the new ships being small or medium sized.

Graph 13 shows that 9% of the number of ships ≥ 500 GT in Equasis is associated with a targeted flag State, a significant decrease with respect to 2021 where the proportion was 18%, following the decreasing trend of previous years. Graphs 15, 17 and 19 show that this proportion is not varying significantly with respect to the tonnage of the ships. Tables 13 and 14 show that most ships flying the flag of targeted States are, in number, either general cargo ships (28.2%), bulk carriers (13.9%) or oil and chemical tankers (12.7%). This is expected considering that those ship types together represent 55.3% of the fleet ≥ 500 GT in number of ships. In terms of tonnage, most of the ships with flag of a targeted State are either bulk carriers (25.1%), oil and chemical tankers (18.0%) or passenger ships (13.6%). This shows that large ships in size of those types are flying flags of targeted States. Passenger ships (19%) and Ro-Ro Cargo Ships (15%) are the ship types with the highest proportions of their fleet ≥ 500 GT, in number of ships, flying the flag of targeted flag States.

Ship sightings (under "2.4 – Ship Sightings by Geographical Area") are provided to Equasis by AXSMarine, VesselTracker and MarineTraffic. The figures presented in Graph 21 of this section are strongly dependent on the coastal and satellite coverage of AIS data guaranteed by the data-providers.

Table 21 suggests that the majority of maritime traffic occurs in East Asia (15.8%), Southeast Asia (12.6%), Mediterranean Sea (10.1%), West Europe (9.3%) and South Asia (9.1%). In respect to ship size, small sized ships were most sighted in East Asia (17.7%) and the Mediterranean Sea (13.4%) while very large ships in East Asia (14.3%) and Southeast Asia (13.2%).

2.1. WORLD FLEET ≥ 100 GT

Table 1 - World fleet: total number of ships, by type and size

Ship type	Small ⁽¹⁾		Medium ⁽²⁾		Large ⁽³⁾		Very large ⁽⁴⁾		Total	
Bulk carriers	279	0.5%	3,901	8.1%	7,103	52.7%	1,937	26.6%	13,220	10.4%
Container ships	19	0.0%	2,409	5.0%	1,684	12.5%	1,624	22.3%	5,736	4.5%
Fishing vessels	20,124	34.5%	5,806	12.1%	4	0.0%	1	0.0%	25,935	20.4%
Gas tankers	34	0.1%	1,182	2.5%	475	3.5%	619	8.5%	2,310	1.8%
General cargo ships	4,105	7.0%	12,181	25.4%	288	2.1%	0	0.0%	16,574	13.1%
Offshore vessels	2,871	4.9%	5,097	10.6%	122	0.9%	319	4.4%	8,409	6.6%
Oil and chemical tankers	1,985	3.4%	7,513	15.7%	2,827	21.0%	2,291	31.4%	14,616	11.5%
Other tankers	448	0.8%	776	1.6%	16	0.1%	0	0.0%	1,240	1.0%
Passenger ships	4,417	7.6%	2,945	6.1%	299	2.2%	205	2.8%	7,866	6.2%
Ro-ro cargo ships	1,025	1.8%	1,111	2.3%	553	4.1%	277	3.8%	2,966	2.3%
Service ships	3,801	6.5%	3,810	7.9%	38	0.3%	8	0.1%	7,657	6.0%
Specialized cargo ships	8	0.0%	287	0.6%	63	0.5%	9	0.1%	367	0.3%
Tugs	19,131	32.8%	920	1.9%	0	0.0%	0	0.0%	20,051	15.8%
Total	58,247	100%	47,938	100%	13,472	100%	7,290	100%	126,947	100%

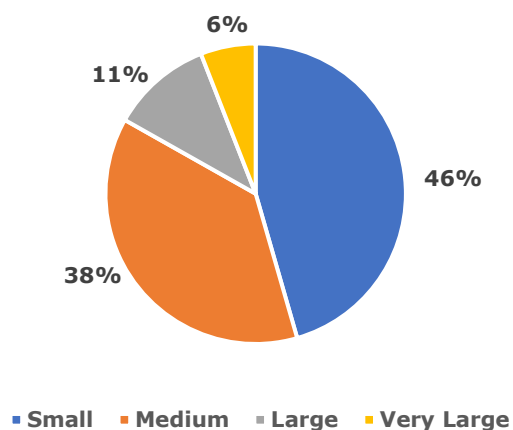
Source: Equasis ⁽¹⁾ GT<500 - ⁽²⁾ 500≤GT<25,000 - ⁽³⁾ 25,000≤GT<60,000 - ⁽⁴⁾ GT≥60,000

Table 2 - World fleet: gross tonnage (in 1000 GT), by type and size

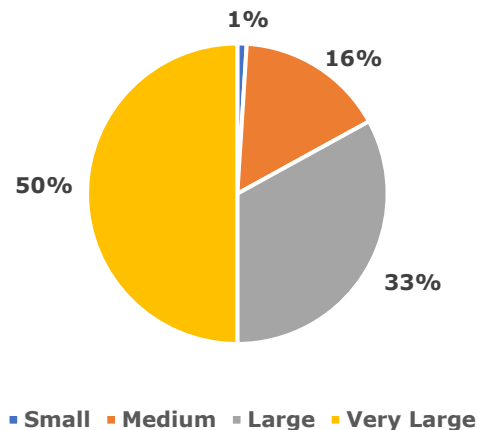
Ship type	Small ⁽¹⁾		Medium ⁽²⁾		Large ⁽³⁾		Very large ⁽⁴⁾		Total	
Bulk carriers	113	0.8%	56,394	22.3%	267,551	52.8%	199,770	25.5%	523,828	33.6%
Container ships	8	0.1%	29,217	11.5%	62,665	12.4%	188,584	24.1%	280,473	18.0%
Fishing vessels	4,379	29.9%	7,972	3.1%	142	0.0%	71	0.0%	12,564	0.8%
Gas tankers	13	0.1%	7,643	3.0%	20,729	4.1%	69,509	8.9%	97,895	6.3%
General cargo ships	1,443	9.9%	55,836	22.0%	9,705	1.9%	0	0.0%	66,984	4.3%
Offshore vessels	806	5.5%	14,992	5.9%	5,578	1.1%	38,209	4.9%	59,586	3.8%
Oil and chemical tankers	640	4.4%	45,896	18.1%	98,813	19.5%	243,026	31.0%	388,375	24.9%
Other tankers	135	0.9%	2,238	0.9%	465	0.1%	0	0.0%	2,839	0.2%
Passenger ships	1,142	7.8%	11,868	4.7%	10,891	2.1%	23,464	3.0%	47,366	3.0%
Ro-ro cargo ships	334	2.3%	6,760	2.7%	26,284	5.2%	18,662	2.4%	52,039	3.3%
Service ships	947	6.5%	11,247	4.4%	1,391	0.3%	1,039.62	0.1%	14,625	0.9%
Specialized cargo ships	3	0.0%	2,489	1.0%	2,482	0.5%	654	0.1%	5,628	0.4%
Tugs	4,674	31.9%	784	0.3%	0	0.0%	0	0.0%	5,457	0.4%
Total	14,636	100%	253,336	100%	506,696	100%	782,990	100%	1,557,658	100%

Source: Equasis ⁽¹⁾ GT<500 - ⁽²⁾ 500≤GT<25,000 - ⁽³⁾ 25,000≤GT<60,000 - ⁽⁴⁾ GT≥60,000

Graph 1 - World fleet: total number of ships, by size



Graph 2 - World fleet: gross tonnage, by size



2.2. SHIPS BY AGE

WORLD FLEET ≥100 GT

Table 3 - Total number of ships, by age and size

Age	Small ⁽¹⁾		Medium ⁽²⁾		Large ⁽³⁾		Very large ⁽⁴⁾		Total	
0-4 years old	3,894	6.69%	4,085	8.52%	2,030	15.07%	1,364	18.71%	11,373	9.0%
5-14 years old	12,410	21.31%	14,822	30.92%	6,650	49.36%	3,878	53.20%	37,760	29.7%
15-24 years old	9,567	16.42%	10,276	21.44%	4,026	29.88%	1,835	25.17%	25,704	20.2%
+25 years old	32,376	55.58%	18,755	39.12%	766	5.69%	213	2.92%	52,110	41.0%
Total	58,247	100%	47,938	100%	13,472	100%	7,290	100%	126,947	100%

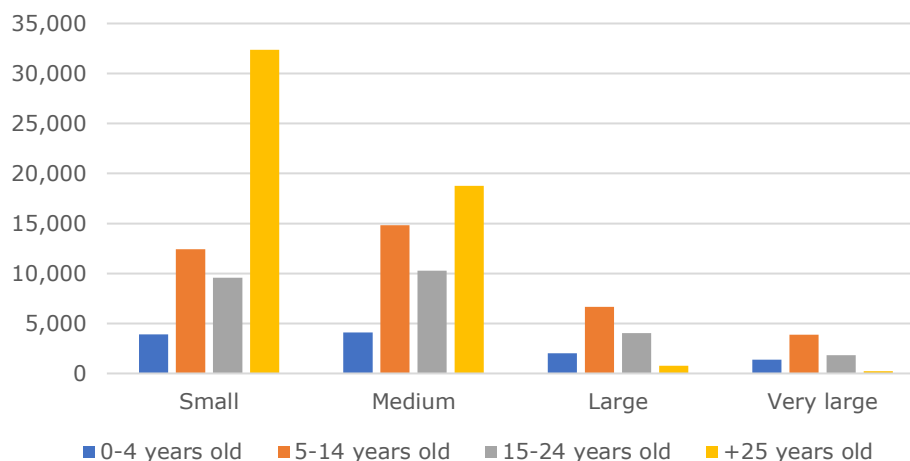
Source: Equasis ⁽¹⁾ GT<500 - ⁽²⁾ 500≤GT<25,000 - ⁽³⁾ 25,000≤GT<60,000 - ⁽⁴⁾ GT≥60,000

Table 4 - Gross tonnage (in 1000 GT) of ships, by age and size

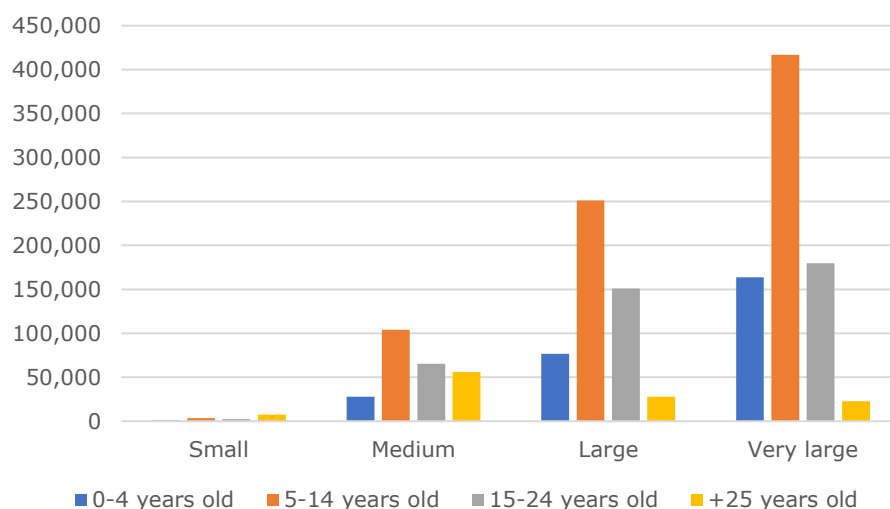
Age	Small ⁽¹⁾		Medium ⁽²⁾		Large ⁽³⁾		Very large ⁽⁴⁾		Total	
0-4 years old	1,114	7.61%	27,962	11.04%	76,798	15.16%	163,698	20.91%	269,571	17.3%
5-14 years old	3,408	23.29%	104,093	41.09%	251,052	49.55%	416,972	53.25%	775,526	49.8%
15-24 years old	2,493	17.03%	65,430	25.83%	150,884	29.78%	179,598	22.94%	398,404	25.6%
+25 years old	7,621	52.07%	55,851	22.05%	27,962	5.52%	22,722	2.90%	114,157	7.3%
Total	14,636	100%	253,336	100%	506,697	100%	782,990	100%	1,557,658	100%

Source: Equasis ⁽¹⁾ GT<500 - ⁽²⁾ 500≤GT<25,000 - ⁽³⁾ 25,000≤GT<60,000 - ⁽⁴⁾ GT≥60,000

Graph 3 - World fleet : total number of ships, by age and size



Graph 4 - World fleet : gross tonnage (in 1000 GT) by age and size



0-4 YEARS OLD SHIPS

Table 5 - Total number of 0-4 years old ships, by type and size

Ship type	Small ⁽¹⁾		Medium ⁽²⁾		Large ⁽³⁾		Very large ⁽⁴⁾		Total	
Bulk carriers	7	0.2%	411	10.1%	1,219	60.0%	351	25.7%	1,988	17.5%
Container ships	1	0.0%	357	8.7%	187	9.2%	224	16.4%	769	6.8%
Fishing vessels	687	17.6%	681	16.7%	1	0.0%	1	0.1%	1,370	12.0%
Gas tankers	2	0.1%	142	3.5%	125	6.2%	173	12.7%	442	3.9%
General cargo ships	178	4.6%	678	16.6%	39	1.9%	0	0.0%	895	7.9%
Offshore vessels	244	6.3%	262	6.4%	2	0.1%	30	2.2%	538	4.7%
Oil and chemical tankers	154	4.0%	734	18.0%	373	18.4%	506	37.1%	1,767	15.5%
Other tankers	17	0.4%	56	1.4%	1	0.0%	0	0.0%	74	0.7%
Passenger ships	307	7.9%	312	7.6%	45	2.2%	36	2.6%	700	6.2%
Ro-ro cargo ships	78	2.0%	99	2.4%	20	1.0%	39	2.9%	236	2.1%
Service ships	400	10.3%	267	6.5%	12	0.6%	0	0.0%	679	6.0%
Specialized cargo ships	0	0.0%	33	0.8%	6	0.3%	4	0.3%	43	0.4%
Tugs	1,819	46.7%	53	1.3%	0	0.0%	0	0.0%	1,872	16.5%
Total	3,894	100%	4,085	100%	2,030	100%	1,364	100%	11,373	100%

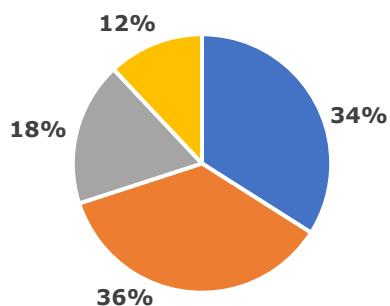
Source: Equasis ⁽¹⁾ GT<500 - ⁽²⁾ 500≤GT<25,000 - ⁽³⁾ 25,000≤GT<60,000 - ⁽⁴⁾ GT≥60,000

Table 6 - Gross tonnage (in 1000 GT) of 0-4 years old ships, by type and size

Ship type	Small ⁽¹⁾		Medium ⁽²⁾		Large ⁽³⁾		Very large ⁽⁴⁾		Total	
Bulk carriers	3	0.3%	5,937	21.2%	48,455	63.1%	40,890	25.0%	95,294	35.4%
Container ships	0.5	0.0%	5,555	19.9%	6,063	7.9%	37,166	22.7%	48,785	18.1%
Fishing vessels	186	16.8%	1,235	4.4%	28	0.0%	71	0.0%	1,522	0.6%
Gas tankers	1	0.1%	894	3.2%	5,601	7.3%	19,570	12.0%	26,066	9.7%
General cargo ships	75	6.8%	3,977	14.2%	1,515	2.0%	0	0.0%	5,568	2.1%
Offshore vessels	67	6.0%	1,065	3.8%	77	0.1%	4,141	2.5%	5,350	2.0%
Oil and chemical tankers	55	4.9%	5,362	19.2%	11,595	15.1%	53,484	32.7%	70,496	26.2%
Other tankers	7	0.6%	205	0.7%	27	0.0%	0	0.0%	238	0.1%
Passenger ships	95	8.5%	1,499	5.4%	1,888	2.5%	5,440	3.3%	8,922	3.3%
Ro-ro cargo ships	28	2.5%	586	2.1%	851	1.1%	2,643	1.6%	4,108	1.5%
Service ships	96	8.6%	1,156	4.1%	429	0.6%	0	0.0%	1,682	0.6%
Specialized cargo ships	0	0.0%	436	1.6%	270	0.4%	282	0.2%	988	0.4%
Tugs	499	44.8%	54	0.2%	0	0.0%	0	0.0%	553	0.2%
Total	1,114	100%	27,962	100%	76,798	100%	163,698	100%	269,571	100%

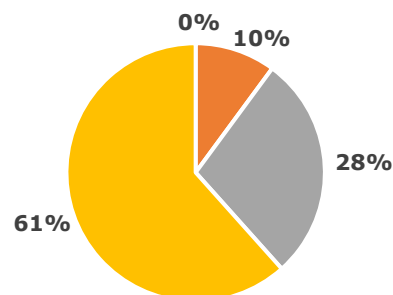
Source: Equasis ⁽¹⁾ GT<500 - ⁽²⁾ 500≤GT<25,000 - ⁽³⁾ 25,000≤GT<60,000 - ⁽⁴⁾ GT≥60,000

Graph 5 - World fleet : total number of 0-4 years old ships, by size



■ Small ■ Medium ■ Large ■ Very Large

Graph 6 - World fleet : gross tonnage of 0-4 years old ships by size



■ Small ■ Medium ■ Large ■ Very Large

5-14 YEARS OLD SHIPS

Table 7 - Total number of 5-14 years old ships, by type and size

Ship type	Small ⁽¹⁾		Medium ⁽²⁾		Large ⁽³⁾		Very large ⁽⁴⁾		Total	
Bulk carriers	31	0.2%	2,022	13.6%	4,100	61.7%	1,281	33.0%	7,434	19.7%
Container ships	14	0.1%	588	4.0%	599	9.0%	865	22.3%	2,066	5.5%
Fishing vessels	2,305	18.6%	1,184	8.0%	0	0.0%	0	0.0%	3,489	9.2%
Gas tankers	2	0.0%	426	2.9%	215	3.2%	240	6.2%	883	2.3%
General cargo ships	512	4.1%	2,903	19.6%	158	2.4%	0	0.0%	3,573	9.5%
Offshore vessels	838	6.8%	2,522	17.0%	53	0.8%	97	2.5%	3,510	9.3%
Oil and chemical tankers	370	3.0%	2,438	16.4%	1,189	17.9%	1,171	30.2%	5,168	13.7%
Other tankers	94	0.8%	307	2.1%	9	0.1%	0	0.0%	410	1.1%
Passenger ships	707	5.7%	613	4.1%	50	0.8%	65	1.7%	1,435	3.8%
Ro-ro cargo ships	276	2.2%	367	2.5%	244	3.7%	153	3.9%	1,040	2.8%
Service ships	851	6.9%	1,067	7.2%	12	0.2%	1	0.0%	1,931	5.1%
Specialized cargo ships	0	0.0%	99	0.7%	21	0.3%	5	0.1%	125	0.3%
Tugs	6,410	51.7%	286	1.9%	0	0.0%	0	0.0%	6,696	17.7%
Total	12,410	100%	14,822	100%	6,650	100%	3,878	100%	37,760	100%

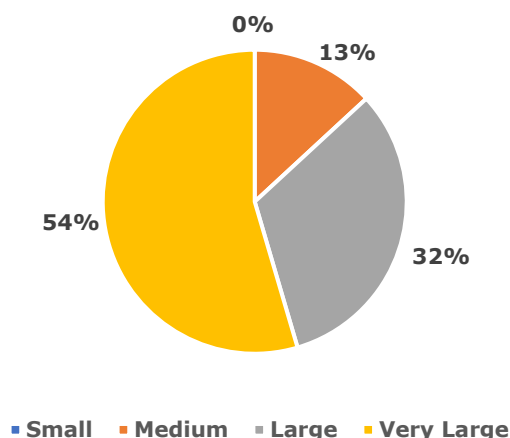
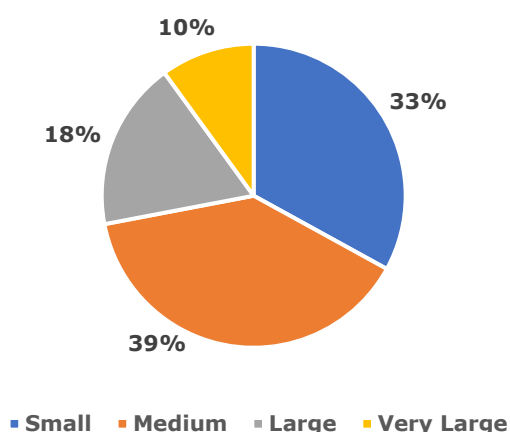
Source: Equasis ⁽¹⁾ GT<500 - ⁽²⁾ 500≤GT<25,000 - ⁽³⁾ 25,000≤GT<60,000 - ⁽⁴⁾ GT≥60,000

Table 8 - Gross tonnage (in 1000 GT) of 5-14 years old ships, by type and size

Ship type	Small ⁽¹⁾		Medium ⁽²⁾		Large ⁽³⁾		Very large ⁽⁴⁾		Total	
Bulk carriers	13	0.4%	34,202	32.9%	155,589	62.0%	130,379	31.3%	320,184	41.3%
Container ships	5	0.2%	7,247	7.0%	23,660	9.4%	106,743	25.6%	137,655	17.7%
Fishing vessels	605	17.7%	1,716	1.6%	0	0.0%	0	0.0%	2,320	0.3%
Gas tankers	1	0.0%	3,654	3.5%	9,224	3.7%	27,912	6.7%	40,791	5.3%
General cargo ships	213	6.3%	21,003	20.2%	5,282	2.1%	0	0.0%	26,498	3.4%
Offshore vessels	244	7.1%	8,949	8.6%	2,370	0.9%	9,660	2.3%	21,224	2.7%
Oil and chemical tankers	134	3.9%	17,002	16.3%	40,132	16.0%	122,584	29.4%	179,852	23.2%
Other tankers	31	0.9%	1,224	1.2%	255	0.1%	0	0.0%	1,511	0.2%
Passenger ships	210	6.2%	2,452	2.4%	1,893	0.8%	8,373	2.0%	12,928	1.7%
Ro-ro cargo ships	97	2.8%	1,569	1.5%	11,384	4.5%	10,547	2.5%	23,596	3.0%
Service ships	217	6.4%	3,780	3.6%	438	0.2%	403	0.1%	4,839	0.6%
Specialized cargo ships	0	0.0%	1,038	1.0%	822	0.3%	371	0.1%	2,231	0.3%
Tugs	1,639	48.1%	256	0.2%	0	0.0%	0	0.0%	1,895	0.2%
Total	3,408	100%	104,093	100%	251,052	100%	416,972	100%	775,526	100%

Source: Equasis ⁽¹⁾ GT<500 - ⁽²⁾ 500≤GT<25,000 - ⁽³⁾ 25,000≤GT<60,000 - ⁽⁴⁾ GT≥60,000

Graph 7 - Total number of 5-14 years old ships by size Graph 8 - Gross tonnage of 5-14 years old ships by size



15-24 YEARS OLD SHIPS

Table 9 - Total number of 15-24 years old ships, by type and size

Ship type	Small ⁽¹⁾		Medium ⁽²⁾		Large ⁽³⁾		Very large ⁽⁴⁾		Total	
Bulk carriers	13	0.1%	722	7.0%	1,482	36.8%	302	16.5%	2,519	9.8%
Container ships	3	0.0%	987	9.6%	799	19.8%	515	28.1%	2,304	9.0%
Fishing vessels	2,788	29.1%	642	6.2%	0	0.0%	0	0.0%	3,430	13.3%
Gas tankers	3	0.0%	279	2.7%	100	2.5%	177	9.6%	559	2.2%
General cargo ships	612	6.4%	2,787	27.1%	46	1.1%	0	0.0%	3,445	13.4%
Offshore vessels	507	5.3%	1,143	11.1%	23	0.6%	85	4.6%	1,758	6.8%
Oil and chemical tankers	220	2.3%	2,078	20.2%	1,203	29.9%	591	32.2%	4,092	15.9%
Other tankers	34	0.4%	102	1.0%	5	0.1%	0	0.0%	141	0.5%
Passenger ships	740	7.7%	538	5.2%	111	2.8%	83	4.5%	1,472	5.7%
Ro-ro cargo ships	322	3.4%	250	2.4%	246	6.1%	78	4.3%	896	3.5%
Service ships	589	6.2%	582	5.7%	3	0.1%	4	0.2%	1,178	4.6%
Specialized cargo ships	1	0.0%	31	0.3%	8	0.2%	0	0.0%	40	0.2%
Tugs	3,735	39.0%	135	1.3%	0	0.0%	0	0.0%	3,870	15.1%
Total	9,567	100%	10,276	100%	4,026	100%	1,835	100%	25,704	100%

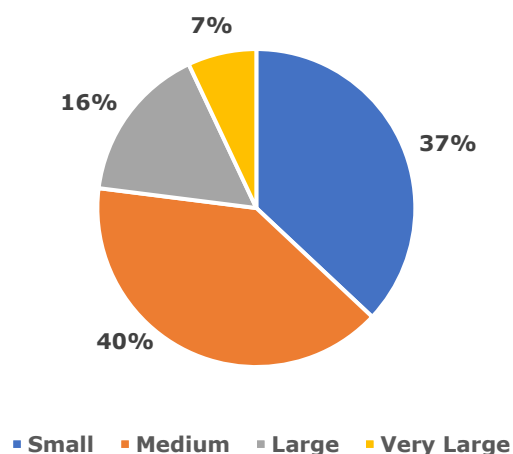
Source: Equasis ⁽¹⁾ GT<500 - ⁽²⁾ 500≤GT<25,000 - ⁽³⁾ 25,000≤GT<60,000 - ⁽⁴⁾ GT≥60,000

Table 10 - Gross tonnage (in 1000 GT) of 15-24 years old ships, by type and size

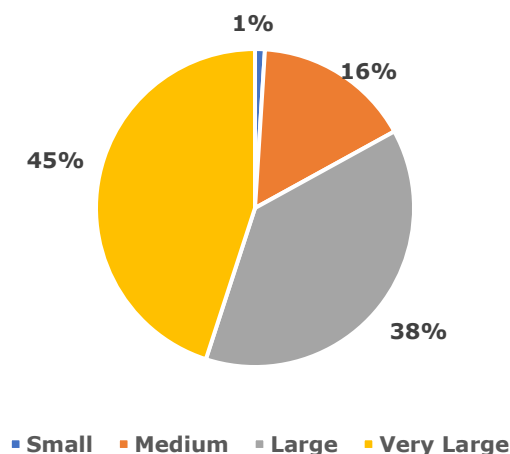
Ship type	Small ⁽¹⁾		Medium ⁽²⁾		Large ⁽³⁾		Very large ⁽⁴⁾		Total	
Bulk carriers	5	0.2%	9,292	14.2%	53,397	35.4%	28,204	15.7%	90,898	22.8%
Container ships	1	0.1%	11,828	18.1%	29,389	19.5%	43,108	24.0%	84,327	21.2%
Fishing vessels	584	23.4%	838	1.3%	0	0.0%	0	0.0%	1,422	0.4%
Gas tankers	1	0.1%	1,889	2.9%	4,386	2.9%	19,002	10.6%	25,278	6.3%
General cargo ships	262	10.5%	14,088	21.5%	1,472	1.0%	0	0.0%	15,822	4.0%
Offshore vessels	170	6.8%	2,954	4.5%	977	0.6%	11,405	6.4%	15,506	3.9%
Oil and chemical tankers	75	3.0%	17,154	26.2%	44,775	29.7%	64,515	35.9%	126,520	31.8%
Other tankers	10	0.4%	364	0.6%	155	0.1%	0	0.0%	529	0.1%
Passenger ships	188	7.6%	2,283	3.5%	3,885	2.6%	8,022	4.5%	14,378	3.6%
Ro-ro cargo ships	107	4.3%	2,204	3.4%	12,011	8.0%	4,987	2.8%	19,309	4.8%
Service ships	145	5.8%	2,065	3.2%	113	0.1%	354	0.2%	2,677	0.7%
Specialized cargo ships	0.5	0.0%	354	0.5%	325	0.2%	0	0.0%	680	0.2%
Tugs	942	37.8%	116	0.2%	0	0.0%	0	0.0%	1,058	0.3%
Total	2,493	100%	65,430	100%	150,883	100%	179,598	100%	398,404	100%

Source: Equasis ⁽¹⁾ GT<500 - ⁽²⁾ 500≤GT<25,000 - ⁽³⁾ 25,000≤GT<60,000 - ⁽⁴⁾ GT≥60,000

Graph 9 - Total number of 15-14 years old ships by size



Graph 10 - Gross tonnage of 15-24 years old ships by size



+25 YEARS OLD SHIPS**Table 11 - Total number of +25 years old ships, by type and size**

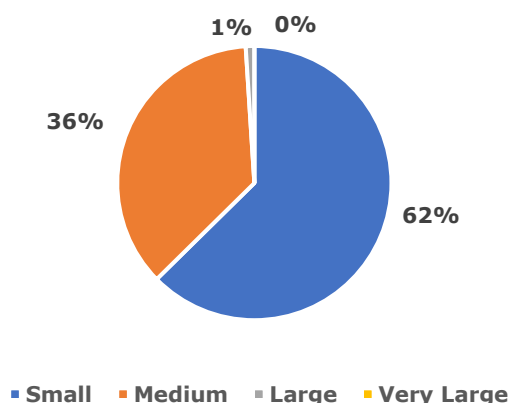
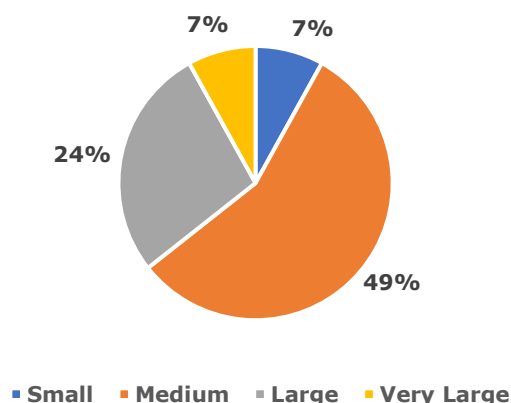
Ship type	Small ⁽¹⁾		Medium ⁽²⁾		Large ⁽³⁾		Very large ⁽⁴⁾		Total	
Bulk carriers	228	0.7%	746	4.0%	302	39.4%	3	1.4%	1,279	2.5%
Container ships	1	0.0%	477	2.5%	99	12.9%	20	9.4%	597	1.1%
Fishing vessels	14,344	44.3%	3,299	17.6%	3	0.4%	0	0.0%	17,646	33.9%
Gas tankers	27	0.1%	335	1.8%	35	4.6%	29	13.6%	426	0.8%
General cargo ships	2,803	8.7%	5,813	31.0%	45	5.9%	0	0.0%	8,661	16.6%
Offshore vessels	1,282	4.0%	1,170	6.2%	44	5.7%	107	50.2%	2,603	5.0%
Oil and chemical tankers	1,241	3.8%	2,263	12.1%	62	8.1%	23	10.8%	3,589	6.9%
Other tankers	303	0.9%	311	1.7%	1	0.1%	0	0.0%	615	1.2%
Passenger ships	2,663	8.2%	1,482	7.9%	93	12.1%	21	9.9%	4,259	8.2%
Ro-ro cargo ships	349	1.1%	395	2.1%	43	5.6%	7	3.3%	794	1.5%
Service ships	1,961	6.1%	1,894	10.1%	11	1.4%	3	1.4%	3,869	7.4%
Specialized cargo ships	7	0.0%	124	0.7%	28	3.7%	0	0.0%	159	0.3%
Tugs	7,167	22.1%	446	2.4%	0	0.0%	0	0.0%	7,613	14.6%
Total	32,376	100%	18,755	100%	766	100%	213	100%	52,110	100%

Source: Equasis ⁽¹⁾ GT<500 - ⁽²⁾ 500≤GT<25,000 - ⁽³⁾ 25,000≤GT<60,000 - ⁽⁴⁾ GT≥60,000

Table 12 - Gross tonnage (in 1000 GT) of +25 years old ships, by type and size

Ship type	Small ⁽¹⁾		Medium ⁽²⁾		Large ⁽³⁾		Very large ⁽⁴⁾		Total	
Bulk carriers	92	1.2%	6,962	12.5%	10,110	36.2%	287	1.3%	17,451	15.3%
Container ships	0	0.0%	4,587	8.2%	3,552	12.7%	1,567	6.9%	9,707	8.5%
Fishing vessels	3,003	39.4%	4,183	7.5%	113	0.4%	0	0.0%	7,299	6.4%
Gas tankers	10	0.1%	1,206	2.2%	1,518	5.4%	3,026	13.3%	5,760	5.0%
General cargo ships	892	11.7%	16,768	30.0%	1,435	5.1%	0	0.0%	19,095	16.7%
Offshore vessels	325	4.3%	2,023	3.6%	2,155	7.7%	13,003	57.2%	17,507	15.3%
Oil and chemical tankers	376	4.9%	6,377	11.4%	2,311	8.3%	2,442	10.7%	11,507	10.1%
Other tankers	87	1.1%	446	0.8%	29	0.1%	0	0.0%	562	0.5%
Passenger ships	649	8.5%	5,634	10.1%	3,225	11.5%	1,629	7.2%	11,137	9.8%
Ro-ro cargo ships	102	1.3%	2,401	4.3%	2,038	7.3%	485	2.1%	5,026	4.4%
Service ships	489	6.4%	4,245	7.6%	411	1.5%	282	1.2%	5,427	4.8%
Specialized cargo ships	2	0.0%	662	1.2%	1,065	3.8%	0	0.0%	1,728	1.5%
Tugs	1,593	20.9%	357	0.6%	0	0.0%	0	0.0%	1,950	1.7%
Total	7,621	100%	55,851	100%	27,962	100%	22,722	100%	114,157	100%

Source: Equasis ⁽¹⁾ GT<500 - ⁽²⁾ 500≤GT<25,000 - ⁽³⁾ 25,000≤GT<60,000 - ⁽⁴⁾ GT≥60,000

Graph 11 - Total number of +25 years old ships by size**Graph 12 - Gross tonnage of +25 years old ships by size**

2.3. SHIPS BY FLAG

WORLD FLEET ≥500 GT

Table 13 - World fleet GT≥500: total number of ships, by type and flag

Ship type	Targeted flag		Non-targeted flag		Total	
Bulk carriers	885	13.9%	12,056	19.3%	12,941	18.8%
Container ships	392	6.2%	5,325	8.5%	5,717	8.3%
Fishing vessels	174	2.7%	5,637	9.0%	5,811	8.5%
Gas tankers	208	3.3%	2,068	3.3%	2,276	3.3%
General cargo ships	1,793	28.2%	10,676	17.1%	12,469	18.1%
Offshore vessels	615	9.7%	4,923	7.9%	5,538	8.1%
Oil and chemical tankers	805	12.7%	11,826	19.0%	12,631	18.4%
Other tankers	78	1.2%	714	1.1%	792	1.2%
Passenger ships	662	10.4%	2,787	4.5%	3,449	5.0%
Ro-ro cargo ships	284	4.5%	1,657	2.7%	1,941	2.8%
Service ships	318	5.0%	3,538	5.7%	3,856	5.6%
Specialized cargo ships	52	0.8%	307	0.5%	359	0.5%
Tugs	86	1.4%	834	1.3%	920	1.3%
Total	6,352	100%	62,348	100%	68,700	100%

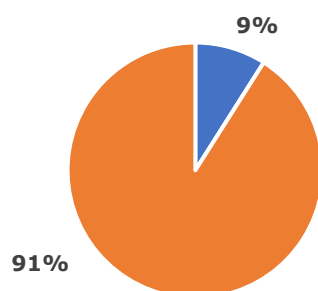
Source: Equasis

Table 14 - World fleet GT≥500: gross tonnage (in 1000 GT) of ships, by type and flag

Ship type	Targeted flag		Non-targeted flag		Total	
Bulk carriers	32,596	25.1%	491,118	34.8%	523,714	33.9%
Container ships	7,607	5.9%	272,859	19.3%	280,465	18.2%
Fishing vessels	256	0.2%	7,929	0.6%	8,185	0.5%
Gas tankers	14,423	11.1%	83,458	5.9%	97,881	6.3%
General cargo ships	10,559	8.1%	54,983	3.9%	65,541	4.2%
Offshore vessels	12,075	9.3%	46,705	3.3%	58,780	3.8%
Oil and chemical tankers	23,411	18.0%	364,324	25.8%	387,735	25.1%
Other tankers	218	0.2%	2,486	0.2%	2,704	0.2%
Passenger ships	17,632	13.6%	28,591	2.0%	46,223	3.0%
Ro-ro cargo ships	9,400	7.2%	42,306	3.0%	51,706	3.4%
Service ships	1,328	1.0%	12,350	0.9%	13,678	0.9%
Specialized cargo ships	212	0.2%	5,413	0.4%	5,625	0.4%
Tugs	81	0.1%	703	0.0%	784	0.1%
Total	129,797	100%	1,413,224	100%	1,543,022	100%

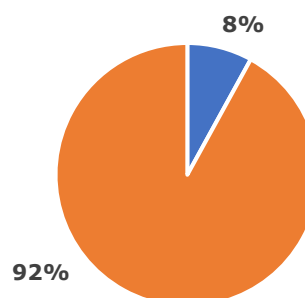
Source: Equasis

Graph 13 - World fleet GT≥500: total number of ships, by flag



■ Targeted Flag ■ Non-targeted Flag

Graph 14 - World fleet GT≥500: gross tonnage of ships, by flag



■ Targeted Flag ■ Non-targeted Flag

MEDIUM SIZED SHIPS

Table 15 - Total number of medium sized⁽¹⁾ ships, by type and flag

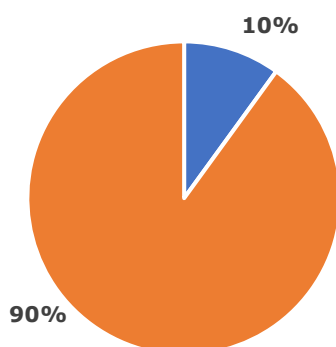
Ship type	Targeted flag		Non-targeted flag		Total	
Bulk carriers	390	8.2%	3,511	8.1%	3,901	8.1%
Container ships	297	6.2%	2,112	4.9%	2,409	5.0%
Fishing vessels	174	3.7%	5,632	13.0%	5,806	12.1%
Gas tankers	65	1.4%	1,117	2.6%	1,182	2.5%
General cargo ships	1,737	36.5%	10,444	24.2%	12,181	25.4%
Offshore vessels	523	11.0%	4,574	10.6%	5,097	10.6%
Oil and chemical tankers	467	9.8%	7,046	16.3%	7,513	15.7%
Other tankers	78	1.6%	698	1.6%	776	1.6%
Passenger ships	454	9.6%	2,491	5.8%	2,945	6.1%
Ro-ro cargo ships	121	2.5%	990	2.3%	1,111	2.3%
Service ships	309	6.5%	3,501	8.1%	3,810	7.9%
Specialized cargo ships	52	1.1%	235	0.5%	287	0.6%
Tugs	86	1.8%	834	1.9%	920	1.9%
Total	4,753	100%	43,185	100%	47,938	100%

Source: Equasis ⁽¹⁾ 500≤GT<25,000Table 16 - Gross tonnage (in 1000 GT) of medium sized⁽¹⁾ ships, by type and flag

Ship type	Targeted flag		Non-targeted flag		Total	
Bulk carriers	6,371	22.3%	50,022	22.3%	56,393	22.3%
Container ships	3,174	11.1%	26,043	11.6%	29,217	11.5%
Fishing vessels	256	0.9%	7,717	3.4%	7,972	3.1%
Gas tankers	602	2.1%	7,041	3.1%	7,643	3.0%
General cargo ships	8,620	30.1%	47,216	21.0%	55,836	22.0%
Offshore vessels	1,859	6.5%	13,133	5.8%	14,992	5.9%
Oil and chemical tankers	2,733	9.6%	43,163	19.2%	45,896	18.1%
Other tankers	218	0.8%	2,021	0.9%	2,238	0.9%
Passenger ships	2,441	8.5%	9,427	4.2%	11,868	4.7%
Ro-ro cargo ships	1,056	3.7%	5,704	2.5%	6,760	2.7%
Service ships	987	3.4%	10,260	4.6%	11,247	4.4%
Specialized cargo ships	212	0.7%	2,277	1.0%	2,489	1.0%
Tugs	81	0.3%	703	0.3%	784	0.3%
Total	28,609	100%	224,725	100%	253,336	100%

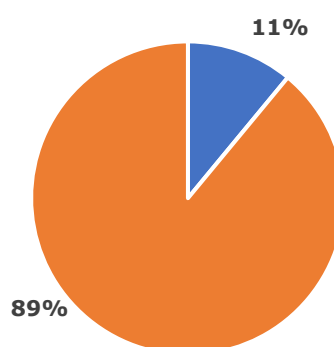
Source: Equasis ⁽¹⁾ 500≤GT<25,000

Graph 15 - Total number of medium sized ships, by flag



■ Targeted Flag ■ Non-targeted Flag

Graph 16 - Gross tonnage of medium sized ships, by flag



■ Targeted Flag ■ Non-targeted Flag

LARGE SHIPS

Table 17 - Total number of large⁽¹⁾ ships, by type and flag

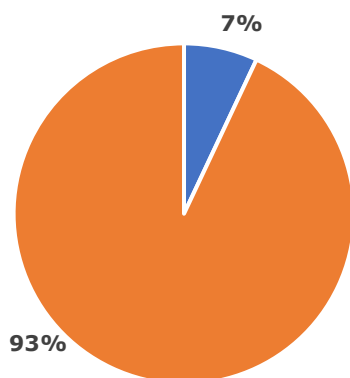
Ship type	Targeted flag		Non-targeted flag		Total	
Bulk carriers	392	39.2%	6,711	53.8%	7,103	52.7%
Container ships	70	7.0%	1,614	12.9%	1,684	12.5%
Fishing vessels	0	0.0%	4	0.0%	4	0.0%
Gas tankers	42	4.2%	433	3.5%	475	3.5%
General cargo ships	56	5.6%	232	1.9%	288	2.1%
Offshore vessels	20	2.0%	102	0.8%	122	0.9%
Oil and chemical tankers	168	16.8%	2,659	21.3%	2,827	21.0%
Other tankers	0	0.0%	16	0.1%	16	0.1%
Passenger ships	116	11.6%	183	1.5%	299	2.2%
Ro-ro cargo ships	129	12.9%	424	3.4%	553	4.1%
Service ships	8	0.8%	30	0.2%	38	0.3%
Specialized cargo ships	0	0.0%	63	0.5%	63	0.5%
Tugs	0	0.0%	0	0.0%	0	0.0%
Total	1,001	100%	12,471	100%	13,472	100%

Source: Equasis ⁽¹⁾ 25,000≤GT<60,000Table 18 - Gross tonnage (in 1000 GT) of large⁽¹⁾ ships, by type and flag

Ship type	Targeted flag		Non-targeted flag		Total	
Bulk carriers	15,526	39.7%	252,025	53.9%	267,551	52.8%
Container ships	2,222	5.7%	60,443	12.9%	62,665	12.4%
Fishing vessels	0	0.0%	142	0.0%	142	0.0%
Gas tankers	1,938	5.0%	18,791	4.0%	20,729	4.1%
General cargo ships	1,938	5.0%	7,767	1.7%	9,705	1.9%
Offshore vessels	870	2.2%	4,708	1.0%	5,578	1.1%
Oil and chemical tankers	6,228	15.9%	92,584	19.8%	98,813	19.5%
Other tankers	0	0.0%	465	0.1%	465	0.1%
Passenger ships	4,120	10.5%	6,771	1.4%	10,891	2.1%
Ro-ro cargo ships	6,029	15.4%	20,255	4.3%	26,284	5.2%
Service ships	280	0.7%	1,111	0.2%	1,391	0.3%
Specialized cargo ships	0	0.0%	2,482	0.5%	2,482	0.5%
Tugs	0	0.0%	0	0.0%	0	0.0%
Total	39,153	100%	467,544	100%	506,697	100%

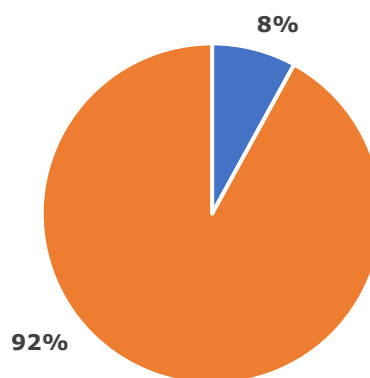
Source: Equasis ⁽¹⁾ 25,000≤GT<60,000

Graph 17 - Total number of large ships, by flag



■ Targeted Flag ■ Non-targeted Flag

Graph 18 - Gross tonnage of large ships, by flag



■ Targeted Flag ■ Non-targeted Flag

VERY LARGE SHIPS

Table 19 - Total number of very large ⁽¹⁾ ships, by type and flag

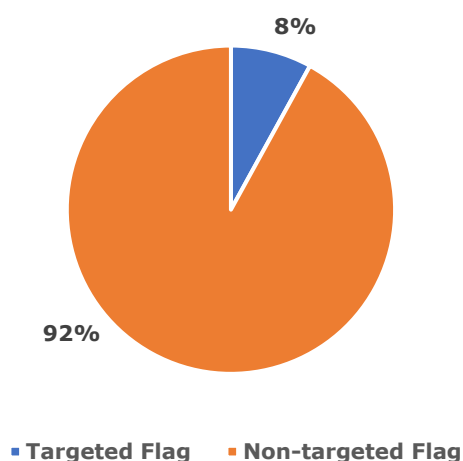
Ship type	Targeted flag		Non-targeted flag		Total	
Bulk carriers	103	17.2%	1,834	27.4%	1,937	26.6%
Container ships	25	4.2%	1,599	23.9%	1,624	22.3%
Fishing vessels	0	0.0%	1	0.0%	1	0.0%
Gas tankers	101	16.9%	518	7.7%	619	8.5%
General cargo ships	0	0.0%	0	0.0%	0	0.0%
Offshore vessels	72	12.0%	247	3.7%	319	4.4%
Oil and chemical tankers	170	28.4%	2,121	31.7%	2,291	31.4%
Other tankers	0	0.0%	0	0.0%	0	0.0%
Passenger ships	92	15.4%	113	1.7%	205	2.8%
Ro-ro cargo ships	34	5.7%	243	3.6%	277	3.8%
Service ships	1	0.2%	7	0.1%	8	0.1%
Specialized cargo ships	0	0.0%	9	0.1%	9	0.1%
Tugs	0	0.0%	0	0.0%	0	0.0%
Total	598	100%	6,692	100%	7,290	100%

Source: Equasis ⁽¹⁾ GT≥60,000Table 20 - Gross tonnage (in 1000 GT) of very large ⁽¹⁾ ships, by type and flag

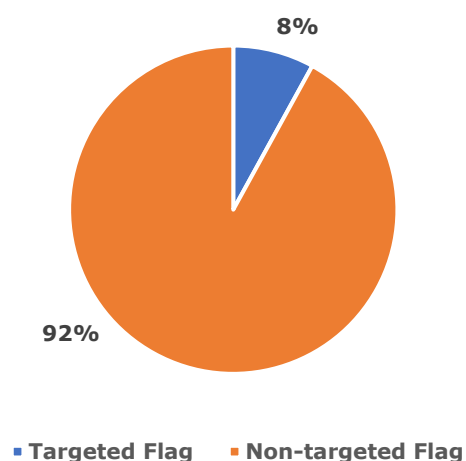
Ship type	Targeted flag		Non-targeted flag		Total	
Bulk carriers	10,699	17.2%	189,072	26.2%	199,770	25.5%
Container ships	2,211	3.6%	186,373	25.9%	188,584	24.1%
Fishing vessels	0	0.0%	71	0.0%	71	0.0%
Gas tankers	11,883	19.2%	57,626	8.0%	69,509	8.9%
General cargo ships	0	0.0%	0	0.0%	0	0.0%
Offshore vessels	9,346	15.1%	28,863	4.0%	38,209	4.9%
Oil and chemical tankers	14,449	23.3%	228,577	31.7%	243,026	31.0%
Other tankers	0	0.0%	0	0.0%	0	0.0%
Passenger ships	11,071	17.8%	12,394	1.7%	23,464	3.0%
Ro-ro cargo ships	2,316	3.7%	16,346	2.3%	18,662	2.4%
Service ships	61	0.1%	979	0.1%	1,040	0.1%
Specialized cargo ships	0	0.0%	654	0.1%	654	0.1%
Tugs	0	0.0%	0	0.0%	0	0.0%
Total	62,035	100%	720,954	100%	782,990	100%

Source: Equasis ⁽¹⁾ GT≥60,000

Graph 19 - Total number of very large ships, by flag



Graph 20 - Gross tonnage of very large ships, by flag



2.4. SHIP SIGHTINGS BY GEOGRAPHICAL AREA

Table 21 - Ship sightings: total distinct number of ships sighted by area and by size – 2022

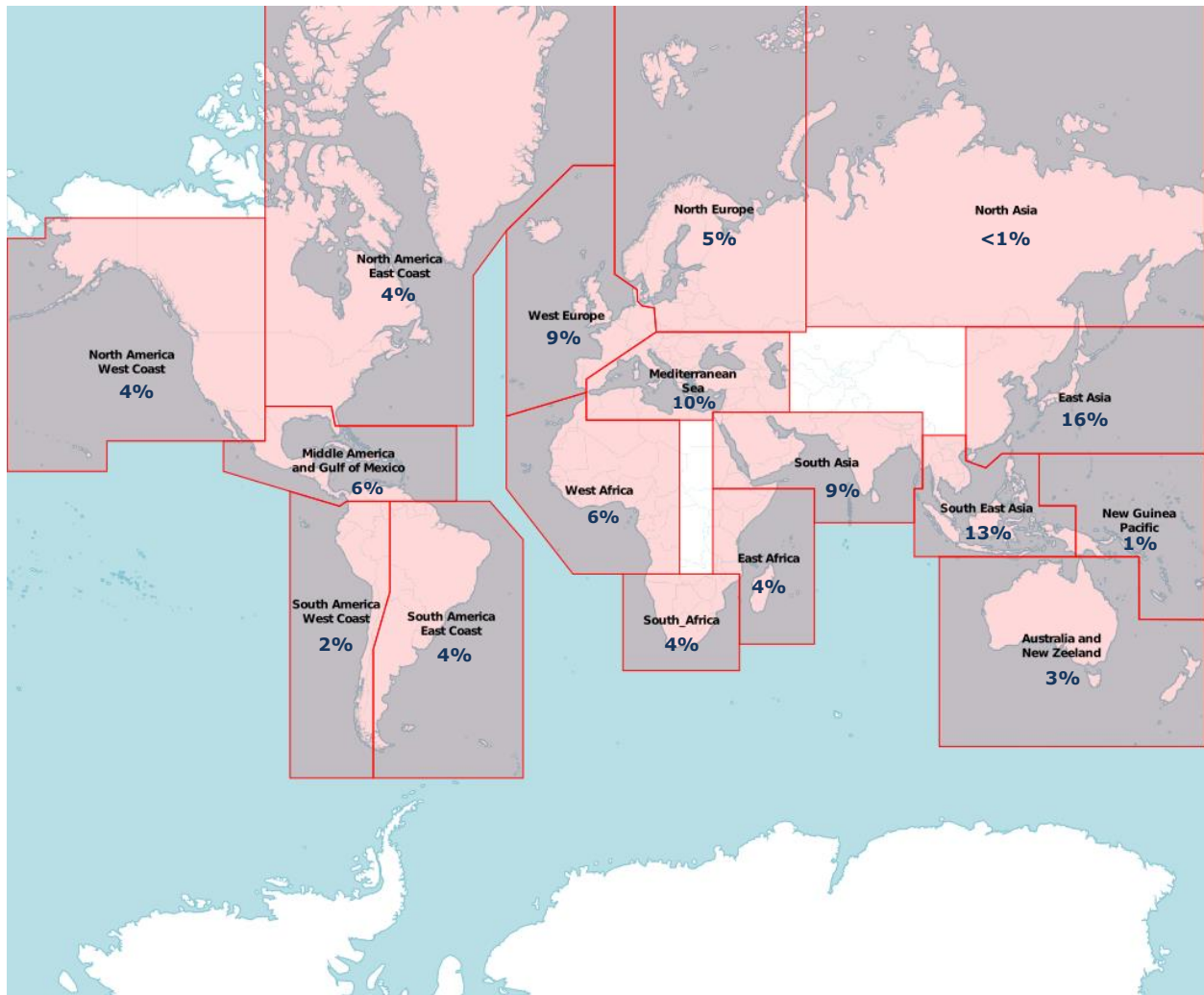
Ship type	Small ⁽¹⁾		Medium ⁽²⁾		Large ⁽³⁾		Very large ⁽⁴⁾		Total	
Australia and New Zealand	473	1.9%	1,463	1.8%	3,108	4.2%	2,017	5.0%	7,061	3.2%
East Africa	154	0.6%	1,279	1.6%	4,131	5.6%	2,420	6.0%	7,984	3.6%
East Asia	4,493	17.7%	14,666	18.3%	9,817	13.3%	5,807	14.3%	34,783	15.8%
Mediterranean Sea	3,396	13.4%	9,690	12.1%	5,823	7.9%	3,348	8.3%	22,257	10.1%
Middle America and Gulf of Mexico	1,928	7.6%	4,502	5.6%	4,939	6.7%	2,387	5.9%	13,756	6.2%
New Guinea Pacific	249	1.0%	1,024	1.3%	1,156	1.6%	440	1.1%	2,869	1.3%
North America East Coast	1,197	4.7%	2,347	2.9%	2,605	3.5%	1,497	3.7%	7,646	3.5%
North America West Coast	1,019	4.0%	1,671	2.1%	3,681	5.0%	1,467	3.6%	7,838	3.6%
North Asia	78	0.3%	509	0.6%	313	0.4%	108	0.3%	1,008	0.5%
North Europe	1,891	7.4%	6,503	8.1%	2,271	3.1%	1,085	2.7%	11,750	5.3%
South Africa	277	1.1%	1,588	2.0%	4,696	6.3%	2,672	6.6%	9,233	4.2%
South America East Coast	635	2.5%	2,888	3.6%	4,139	5.6%	1,673	4.1%	9,335	4.2%
South America West Coast	319	1.3%	1,318	1.6%	1,607	2.2%	542	1.3%	3,786	1.7%
South Asia	2,138	8.4%	6,576	8.2%	7,093	9.6%	4,183	10.3%	19,990	9.1%
Southeast Asia	2,929	11.5%	10,737	13.4%	8,825	11.9%	5,353	13.2%	27,844	12.6%
West Africa	1,211	4.8%	4,911	6.1%	4,318	5.8%	2,370	5.8%	12,810	5.8%
West Europe	3,048	12.0%	8,657	10.8%	5,559	7.5%	3,188	7.9%	20,452	9.3%
Total	25,435	100%	80,329	100%	74,081	100%	40,557	100%	220,402	100%

Source: As provided by AXSMarine, VesselTracker and MarineTraffic to Equasis ⁽¹⁾ GT<500 - ⁽²⁾ 500≤GT<25,000 - ⁽³⁾ 25,000≤GT<60,000 - ⁽⁴⁾ GT≥60,000

Table 22 - Ship sightings: Gross tonnage (in 1000 GT) of distinct ships sighted by area and by size – 2022

Ship type	Small ⁽¹⁾		Medium ⁽²⁾		Large ⁽³⁾		Very large ⁽⁴⁾		Total	
Australia and New Zealand	154	2.0%	21,020	2.7%	126,945	4.5%	189,878	4.5%	337,996	4.3%
Middle America and Gulf of Mexico	621	8.3%	51,012	6.6%	185,025	6.5%	237,749	5.6%	474,407	6.0%
East Africa	53	0.7%	16,100	2.1%	161,068	5.7%	270,612	6.4%	447,834	5.7%
East Asia	1,340	17.8%	116,969	15.1%	375,402	13.2%	639,440	15.0%	1,133,152	14.4%
Mediterranean Sea	1,037	13.8%	85,106	11.0%	220,262	7.8%	337,701	7.9%	644,106	8.2%
New Guinea Pacific	75	1.0%	12,084	1.6%	46,287	1.6%	39,630	0.9%	98,077	1.2%
North America East Coast	314	4.2%	29,116	3.8%	99,030	3.5%	139,948	3.3%	268,408	3.4%
North America West Coast	258	3.4%	23,177	3.0%	144,043	5.1%	146,573	3.4%	314,051	4.0%
North Asia	23	0.3%	3,597	0.5%	12,988	0.5%	10,591	0.2%	27,200	0.3%
North Europe	505	6.7%	50,159	6.5%	85,375	3.0%	96,979	2.3%	233,017	3.0%
South Africa	89	1.2%	20,435	2.6%	182,789	6.4%	295,646	6.9%	498,959	6.3%
South America East Coast	192	2.6%	36,330	4.7%	157,022	5.5%	185,078	4.3%	378,622	4.8%
South America West Coast	103	1.4%	15,816	2.0%	57,718	2.0%	49,844	1.2%	123,480	1.6%
South Asia	722	9.6%	66,584	8.6%	270,022	9.5%	458,394	10.8%	795,722	10.1%
Southeast Asia	848	11.3%	93,308	12.1%	338,821	12.0%	593,070	13.9%	1,026,047	13.0%
West Africa	364	4.8%	52,550	6.8%	160,541	5.7%	244,664	5.7%	458,120	5.8%
West Europe	813	10.8%	80,232	10.4%	211,603	7.5%	320,612	7.5%	613,260	7.8%
Total	7,510	100%	773,594	100%	2,834,942	100%	4,256,410	100%	7,872,456	100%

Source: As provided by AXSMarine, VesselTracker and MarineTraffic to Equasis ⁽¹⁾ GT<500 - ⁽²⁾ 500≤GT<25,000 - ⁽³⁾ 25,000≤GT<60,000 - ⁽⁴⁾ GT≥60,000

Graph 21 - Ship Sightings: total distinct number of ships sighted by geographical area – 2022

Sources: As provided by AXSMarine, VesselTracker and MarineTraffic to Equasis

Chapter 3

3. Classification societies

INTRODUCTION

Classification societies provide technical and surveying services for the shipping industry and the flag States. On the one hand these organisations can survey the ship on behalf of the owner and issue a 'Certificate of Classification'. On the other hand, classification societies may act as Recognised Organisations on behalf of the flag States to provide statutory certification.

This chapter and all other tables and graphs dealing with classification societies in this publication, refer only to the 'class' function; indicating which organisation has issued the class certificates for a particular ship. It does not necessarily follow that the same society is also acting as a Recognised Organisation on behalf of the ship's flag State (Sub-Chapters 5.5 and 5.6).

More than 90% of the world's cargo carrying tonnage is classified by one of the member societies of the International Association of Classification Societies (IACS). At the end of 2022, IACS consisted of 11 member societies:

- American Bureau of Shipping (ABS),
- Bureau Veritas (BV),
- China Classification Society (CCS),
- Croatian Register of Shipping (CRS),
- Det Norske Veritas (DNV),
- Indian Register of Shipping (IRS),
- Korean Register of Shipping (KR),
- Lloyd's Register of Shipping (LR),
- Nippon Kaiji Kyokai (ClassNK),
- Polish Register of Shipping (PRS), and
- Registro Italiano Navale (RINA).

In 2022, IACS Council withdrew the Russian Maritime Register of Shipping's (RMRS) membership¹ citing the impact of

sanctions in its home jurisdiction as a result of the Russia-Ukraine war conflict.

Non-members of IACS in 2022 reporting their activity data to Equasis were:

- Biro Klasifikasi Indonesia (BKI),
- Dromon Bureau of Shipping (DR),
- Emirates Classification Society (TASNEEF),
- Overseas Marine Certification Services (OMCS),
- Phoenix Register of Shipping (PHRS),
- Russian Maritime Register of Shipping (RS Class), and
- Türk Loydu (TL).

To align with the scope of the data provided to Equasis by the classification societies, two main changes were made in this edition:

- 1- fishing vessels are excluded; and
- 2- small ships ≥ 100 GT are now included in this chapter.

In addition, there is a unique count of double classed ships and ships classified by more than one classification society.

The tables in this chapter show the Equasis fleet ≥ 100 GT, in each ship size category and ship type, as classed by IACS and non-IACS members. Data on classed ships primarily comes from classification societies that are data-providers to Equasis. Remaining fleet class information is supplied by IHS Markit Maritime & Trade, when available.

Ships that are not classed by IACS members and/or for which no class record exists in Equasis are grouped under the heading "Non-IACS or unknown".

In Chapter 3.3 the fleet is analysed according to class and flag State status. Flag States are grouped in two categories,

¹ IACS Council Withdraws Russian Register's Membership of IACS - IACS

targeted and non-targeted flag, as in Sub-Chapter 2.3 but including here ships ≥ 100 GT.

In Sub-Chapter 3.4 the detention rate of ships is the ratio between the number of detentions and the number of inspections by the PSC regimes providing data to Equasis (see Chapter 5). All detentions are considered whether or not the deficiencies giving rise to the detention were indicated by PSC as being related to the activities of the Classification Society or Recognised Organisation.

In Chapter 3.4, the safety performance of the Equasis fleet over 500 GT, measured by the detention rate of eligible ships to PSC inspections, shows that 2% of inspections resulted in detention in 2022 (Table 81). Those ships classed by an IACS member had a lower detention ratio in 2022 (2%) than those classed with non-IACS members or with no recorded class (4%).

RESULTS

Following the adjustment of Equasis scope in this Chapter, the size of ship's population covered is significantly different from "Equasis world merchant fleet" previous editions.

Graph 22 shows that the Equasis fleet over 100 GT is dominated by ships classed by at least one IACS member (80% in number and 97% in tonnage). This is true for more than around 70% of all ship types except for general cargo ships for which 40% of the fleet is not recorded as being classed by an IACS class society (Table 23).

Graphs 24 to 29 show that in general larger ships tend to be classed by an IACS society and Tables 25 to 30 show that this is true across ship types. More than a third (37%) of the small ships in the fleet are either covered by non-IACS members or had no class record.

Graph 32 shows that 73% of the younger ships up to 4 years old are classed by an IACS class society, a majority that is kept for ships of 500 GT and above.

Graphs 32, 42, 52 and 61 show that the IACS members cover the majority of the fleet irrespective of age with the least coverage (63%) for older ships of 25+ years old.

Graph 72 shows that 76% of ships in the fleet ≥ 500 are both flying a non-targeted flags and classified by IACS members. At the same time, 90% of the ships flying targeted flags are classed by IACS.

3.1. CLASS STATUS

WORLD FLEET GT≥100: TOTAL NUMBER OF SHIPS, BY TYPE AND CLASS

Table 23 - World fleet GT≥100: total number of ships, by type and class

Ship type	IACS		Non-IACS or unknown		Total	
Bulk carriers	11,794	20.2%	1,002	6.7%	12,796	17.5%
Container ships	5,536	9.5%	241	1.6%	5,777	7.9%
Gas tankers	2,239	3.8%	34	0.2%	2,273	3.1%
General cargo ships	6,269	10.8%	4,289	28.7%	10,558	14.4%
Offshore vessels	5,872	10.1%	430	2.9%	6,302	8.6%
Oil and chemical tankers	10,076	17.3%	1,921	12.8%	11,997	16.4%
Other tankers	573	1.0%	180	1.2%	753	1.0%
Passenger ships	2,617	4.5%	1,173	7.8%	3,790	5.2%
Ro-ro cargo ships	1,486	2.6%	694	4.6%	2,180	3.0%
Service ships	2,396	4.1%	1,077	7.2%	3,473	4.7%
Specialized cargo ships	273	0.5%	67	0.4%	340	0.5%
Tugs	9,121	15.7%	3,845	25.7%	12,966	17.7%
Total	58,252	100%	14,953	100%	73,205	100%

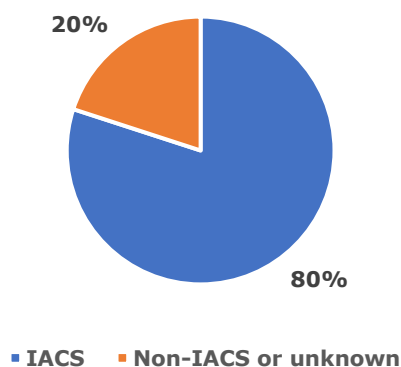
Source: Equasis - IACS membership on 31/12/2022

Table 24 - World fleet GT≥100: gross tonnage (in 1000 GT) of ships, by type and class

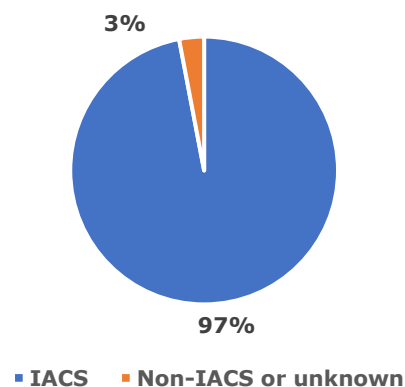
Ship type	IACS		Non-IACS or unknown		Total	
Bulk carriers	523,895	34.2%	15,047	33.6%	538,942	34.1%
Container ships	294,212	19.2%	3,200	7.2%	297,413	18.8%
Gas tankers	106,672	7.0%	708	1.6%	107,380	6.8%
General cargo ships	49,781	3.2%	10,602	23.7%	60,383	3.8%
Offshore vessels	55,849	3.6%	2,187	4.9%	58,036	3.7%
Oil and chemical tankers	388,634	25.3%	6,775	15.1%	395,409	25.1%
Other tankers	2,346	0.2%	166	0.4%	2,512	0.2%
Passenger ships	43,516	2.8%	2,397	5.4%	45,913	2.9%
Ro-ro cargo ships	51,316	3.3%	710	1.6%	52,025	3.3%
Service ships	9,136	0.6%	1,821	4.1%	10,958	0.7%
Specialized cargo ships	5,330	0.3%	262	0.6%	5,591	0.4%
Tugs	2,818	0.2%	883	2.0%	3,702	0.2%
Total	1,533,505	100%	44,758	100%	1,578,263	100%

Source: Equasis - IACS membership on 31/12/2022

Graph 22 - World fleet GT≥100: total number of ships, by class



Graph 23 - World fleet GT≥100: gross tonnage of ships, by class



SMALL SHIPS

Table 25 - Total number of small⁽¹⁾ ships, by type and class

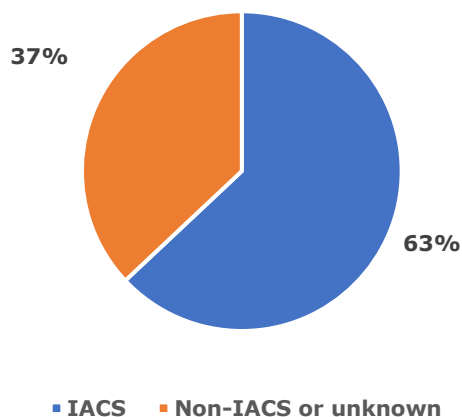
Ship type	IACS		Non-IACS or unknown		Total	
Bulk carriers	3	0.0%	46	0.7%	49	0.3%
Container ships	0	0.0%	4	0.1%	4	0.0%
Gas tankers	6	0.1%	1	0.0%	7	0.0%
General cargo ships	92	0.8%	872	12.5%	964	5.1%
Offshore vessels	1,247	10.4%	240	3.4%	1,487	7.9%
Oil and chemical tankers	127	1.1%	499	7.2%	626	3.3%
Other tankers	86	0.7%	97	1.4%	183	1.0%
Passenger ships	857	7.2%	570	8.2%	1,427	7.5%
Ro-ro cargo ships	97	0.8%	429	6.2%	526	2.8%
Service ships	830	6.9%	472	6.8%	1,302	6.9%
Specialized cargo ships	0	0.0%	1	0.0%	1	0.0%
Tugs	8,609	72.0%	3,729	53.6%	12,338	65.2%
Total	11,954	100%	6,960	100%	18,914	100%

Source: Equasis - ⁽¹⁾ GT<500 - IACS membership on 31/12/2022Table 26 - Gross tonnage (in 1000 GT) of small⁽¹⁾ ships, by type and class

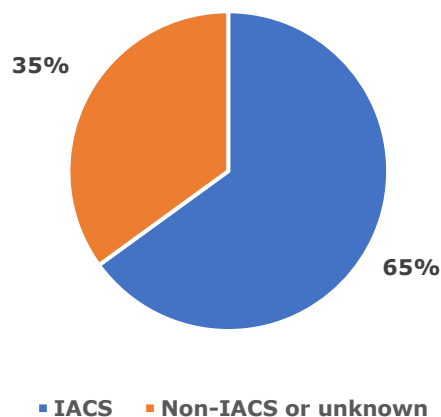
Ship type	IACS		Non-IACS or unknown		Total	
Bulk carriers	1	0.0%	21	1.1%	22	0.4%
Container ships	0	Na	2	0.1%	2	0.0%
Gas tankers	3	0.1%	0.5	0.0%	3	0.1%
General cargo ships	33	1.0%	354	19.4%	386	7.4%
Offshore vessels	364	10.6%	65	3.6%	429	8.2%
Oil and chemical tankers	54	1.6%	166	9.1%	219	4.2%
Other tankers	32	0.9%	28	1.6%	60	1.2%
Passenger ships	278	8.1%	142	7.8%	420	8.0%
Ro-ro cargo ships	42	1.2%	140	7.7%	182	3.5%
Service ships	236	6.9%	122	6.7%	358	6.8%
Specialized cargo ships	0	Na	0	0.0%	0	0.0%
Tugs	2,377	69.5%	778	42.8%	3,155	60.2%
Total	3,420	100%	1,818	100%	5,238	100%

Source: Equasis - ⁽¹⁾ GT<500 - IACS membership on 31/12/2022

Graph 24 - Total number of small ships, by class



Graph 25 - Gross tonnage of small ships, by class



MEDIUM SIZED SHIPS

Table 27 - Total number of medium sized⁽¹⁾ ships, by type and class

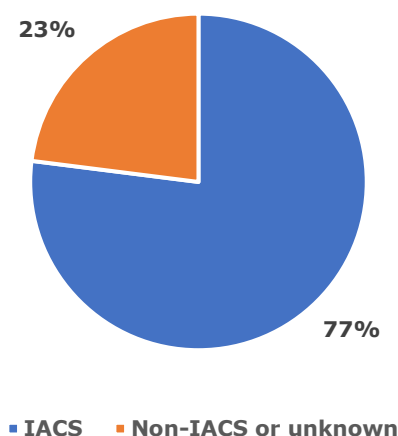
Ship type	IACS		Non-IACS or unknown		Total	
Bulk carriers	2,902	11.5%	669	8.8%	3,571	10.9%
Container ships	2,124	8.4%	204	2.7%	2,328	7.1%
Gas tankers	1,032	4.1%	28	0.4%	1,060	3.2%
General cargo ships	5,882	23.3%	3,416	44.8%	9,298	28.3%
Offshore vessels	4,199	16.6%	176	2.3%	4,375	13.3%
Oil and chemical tankers	4,648	18.4%	1,393	18.3%	6,041	18.4%
Other tankers	471	1.9%	83	1.1%	554	1.7%
Passenger ships	1,242	4.9%	602	7.9%	1,844	5.6%
Ro-ro cargo ships	549	2.2%	265	3.5%	814	2.5%
Service ships	1,522	6.0%	601	7.9%	2,123	6.5%
Specialized cargo ships	202	0.8%	65	0.9%	267	0.8%
Tugs	512	2.0%	116	1.5%	628	1.9%
Total	25,285	100%	7,618	100%	32,903	100%

Source: Equasis - ⁽¹⁾ 500≤GT<25,000 - IACS membership on 31/12/2022Table 28 - Gross tonnage (in 1000 GT) of medium sized⁽¹⁾ ships, by type and class

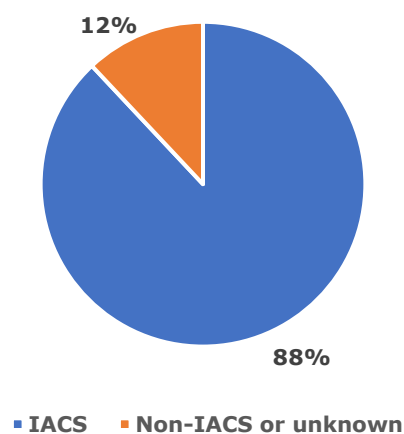
Ship type	IACS		Non-IACS or unknown		Total	
Bulk carriers	50,104	25.0%	5,721	20.2%	55,826	24.4%
Container ships	27,434	13.7%	1,991	7.0%	29,425	12.8%
Gas tankers	7,537	3.8%	63	0.2%	7,600	3.3%
General cargo ships	39,774	19.8%	10,211	36.1%	49,984	21.8%
Offshore vessels	13,772	6.9%	519	1.8%	14,290	6.2%
Oil and chemical tankers	38,434	19.1%	4,915	17.4%	43,349	18.9%
Other tankers	1,849	0.9%	137	0.5%	1,987	0.9%
Passenger ships	7,292	3.6%	2,230	7.9%	9,522	4.2%
Ro-ro cargo ships	5,505	2.7%	570	2.0%	6,075	2.7%
Service ships	6,437	3.2%	1,586	5.6%	8,024	3.5%
Specialized cargo ships	2,213	1.1%	231	0.8%	2,443	1.1%
Tugs	441	0.2%	105	0.4%	546	0.2%
Total	200,793	100%	28,279	100%	229,072	100%

Source: Equasis - ⁽¹⁾ 500≤GT<25,000 - IACS membership on 31/12/2022

Graph 26 - Total number of medium sized ships, by class



Graph 27 - Gross tonnage of medium sized ships, by class



LARGE SHIPS

Table 29 - Total number of large⁽¹⁾ ships, by type and class

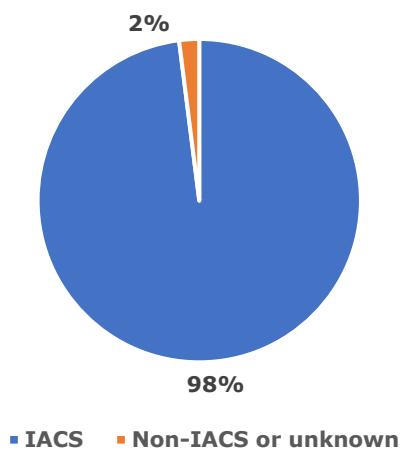
Ship type	IACS		Non-IACS or unknown		Total	
Bulk carriers	6,854	51.1%	287	83.9%	7,141	51.9%
Container ships	1,676	12.5%	32	9.4%	1,708	12.4%
Gas tankers	517	3.9%	0	0.0%	517	3.8%
General cargo ships	295	2.2%	1	0.3%	296	2.2%
Offshore vessels	127	0.9%	2	0.6%	129	0.9%
Oil and chemical tankers	2,969	22.1%	14	4.1%	2,983	21.7%
Other tankers	16	0.1%	0	0.0%	16	0.1%
Passenger ships	302	2.3%	1	0.3%	303	2.2%
Ro-ro cargo ships	556	4.1%	0	0.0%	556	4.0%
Service ships	36	0.3%	4	1.2%	40	0.3%
Specialized cargo ships	62	0.5%	1	0.3%	63	0.5%
Tugs	0	0.0%	0	0.0%	0	0.0%
Total	13,410	100%	342	100%	13,752	100%

Source: Equasis - ⁽¹⁾ 25,000≤GT<60,000 - IACS membership on 31/12/2022Table 30 - Gross tonnage (in 1000 GT) of large⁽¹⁾ ships, by type and class

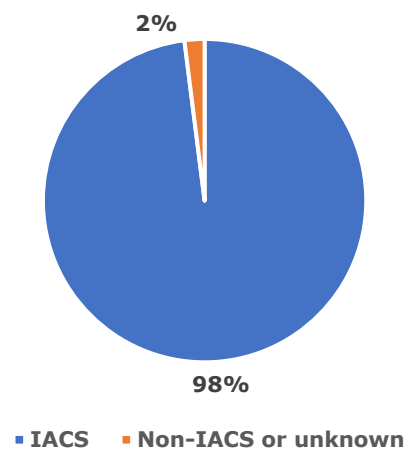
Ship type	IACS		Non-IACS or unknown		Total	
Bulk carriers	260,258	51.4%	9,305	82.1%	269,563	52.1%
Container ships	62,452	12.3%	1,134	10.0%	63,587	12.3%
Gas tankers	22,703	4.5%	0	0.0%	22,703	4.4%
General cargo ships	9,974	2.0%	38	0.3%	10,013	1.9%
Offshore vessels	5,829	1.2%	78	0.7%	5,906	1.1%
Oil and chemical tankers	103,463	20.4%	611	5.4%	104,074	20.1%
Other tankers	465	0.1%	0	0.0%	465	0.1%
Passenger ships	11,013	2.2%	25	0.2%	11,038	2.1%
Ro-ro cargo ships	26,472	5.2%	0	0.0%	26,471	5.1%
Service ships	1,347	0.3%	113	1.0%	1,459	0.3%
Specialized cargo ships	2,464	0.5%	30	0.3%	2,494	0.5%
Tugs	0	0.0%	0	0.0%	0	0.0%
Total	506,439	100%	11,334	100%	517,774	100%

Source: Equasis - ⁽¹⁾ 25,000≤GT<60,000 - IACS membership on 31/12/2022

Graph 28 - Total number of large ships, by class



Graph 29 - Gross tonnage of large ships, by class



VERY LARGE SHIPS

Table 31 - Total number of very large⁽¹⁾ ships, by type and class

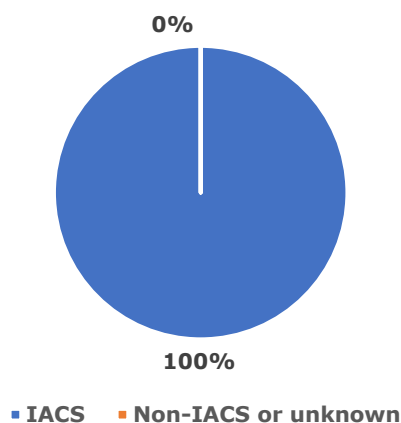
Ship type	IACS		Non-IACS or unknown		Total	
Bulk carriers	2,035	26.8%	0	0.0%	2,035	26.7%
Container ships	1,736	22.8%	1	3.0%	1,737	22.7%
Gas tankers	684	9.0%	5	15.2%	689	9.0%
General cargo ships	0	0.0%	0	0.0%	0	0.0%
Offshore vessels	299	3.9%	12	36.4%	311	4.1%
Oil and chemical tankers	2,332	30.7%	15	45.5%	2,347	30.7%
Other tankers	0	0.0%	0	0.0%	0	0.0%
Passenger ships	216	2.8%	0	0.0%	216	2.8%
Ro-ro cargo ships	284	3.7%	0	0.0%	284	3.7%
Service ships	8	0.1%	0	0.0%	8	0.1%
Specialized cargo ships	9	0.1%	0	0.0%	9	0.1%
Tugs	0	0.0%	0	0.0%	0	0.0%
Total	13,410	100%	342	100%	13,752	100%

Source: Equasis - ⁽¹⁾ GT≥60,000 - IACS membership on 31/12/2022Table 32 - Gross tonnage (in 1000 GT) of very large⁽¹⁾ ships, by type and class

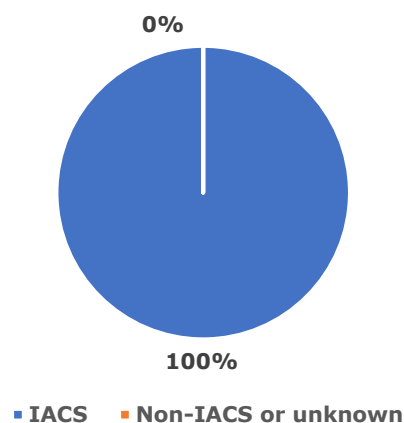
Ship type	IACS		Non-IACS or unknown		Total	
Bulk carriers	213,531	26.0%	0	0.0%	213,531	25.8%
Container ships	204,326	24.8%	73	2.2%	204,400	24.7%
Gas tankers	76,429	9.3%	644	19.4%	77,073	9.3%
General cargo ships	0	0.0%	0	0.0%	0	0.0%
Offshore vessels	35,884	4.4%	1,526	45.9%	37,410	4.5%
Oil and chemical tankers	246,683	30.0%	1,084	32.6%	247,767	30.0%
Other tankers	0	0.0%	0	0.0%	0	0.0%
Passenger ships	24,932	3.0%	0	0.0%	24,932	3.0%
Ro-ro cargo ships	19,297	2.3%	0	0.0%	19,297	2.3%
Service ships	1,116	0.1%	0	0.0%	1,116	0.1%
Specialized cargo ships	654	0.1%	0	0.0%	654	0.1%
Tugs	0	0.0%	0	0.0%	0	0.0%
Total	822,852	100%	3,327	100%	826,179	100%

Source: Equasis - ⁽¹⁾ GT≥60,000 - IACS membership on 31/12/2022

Graph 30 - Total number of very large ships, by class



Graph 31 - Gross tonnage of very large ships, by class



3.2. CLASS STATUS AND AGE

0-4 YEARS OLD SHIPS

Table 33 - World fleet GT≥100: total number of 0-4 years old ships, by type and class

Ship type	IACS		Non-IACS or unknown		Total	
Bulk carriers	1,762	24.9%	277	10.3%	2,039	20.9%
Container ships	727	10.3%	93	3.5%	820	8.4%
Gas tankers	464	6.5%	12	0.4%	476	4.9%
General cargo ships	462	6.5%	415	15.5%	877	9.0%
Offshore vessels	511	7.2%	48	1.8%	559	5.7%
Oil and chemical tankers	1,428	20.1%	372	13.9%	1,800	18.4%
Other tankers	53	0.7%	15	0.6%	68	0.7%
Passenger ships	371	5.2%	204	7.6%	575	5.9%
Ro-ro cargo ships	127	1.8%	79	2.9%	206	2.1%
Service ships	230	3.2%	259	9.7%	489	5.0%
Specialized cargo ships	37	0.5%	5	0.2%	42	0.4%
Tugs	917	12.9%	904	33.7%	1,821	18.6%
Total	7,089	100%	2,683	100%	9,772	100%

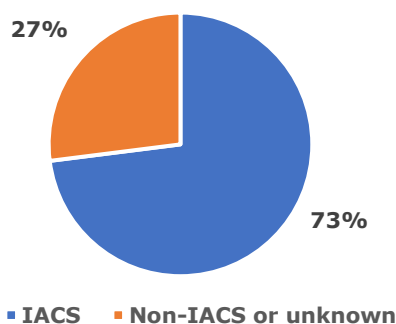
Source: Equasis - IACS membership on 31/12/2022

Table 34 - World fleet GT≥100: gross tonnage (in 1000 GT) of ships 0-4 years old, by type and class

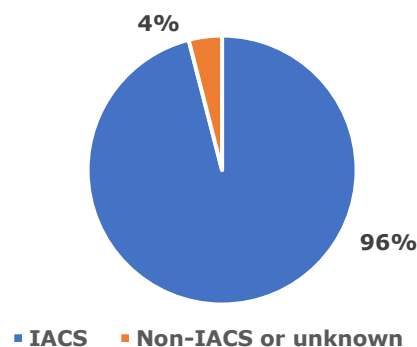
Ship type	IACS		Non-IACS or unknown		Total	
Bulk carriers	96,430	34.7%	5,249	43.9%	101,680	35.1%
Container ships	54,073	19.5%	1,723	14.4%	55,796	19.3%
Gas tankers	28,674	10.3%	288	2.4%	28,962	10.0%
General cargo ships	4,542	1.6%	1,131	9.4%	5,672	2.0%
Offshore vessels	5,181	1.9%	789	6.6%	5,970	2.1%
Oil and chemical tankers	72,853	26.2%	1,459	12.2%	74,312	25.7%
Other tankers	210	0.1%	27	0.2%	237	0.1%
Passenger ships	9,237	3.3%	448	3.7%	9,685	3.3%
Ro-ro cargo ships	3,984	1.4%	100	0.8%	4,084	1.4%
Service ships	1,137	0.4%	498	4.2%	1,634	0.6%
Specialized cargo ships	946	0.3%	39	0.3%	984	0.3%
Tugs	317	0.1%	216	1.8%	533	0.2%
Total	277,584	100%	11,967	100%	289,551	100%

Source: Equasis - IACS membership on 31/12/2022

Graph 32 - World fleet GT≥100: total number of 0-4 years old ships, by class



Graph 33 - World fleet GT≥100: gross tonnage of 0-4 years old of ships, by class



0-4 YEARS OLD SMALL SHIPS

Table 35 - Total number of 0-4 years old small⁽¹⁾ ships, by type and class

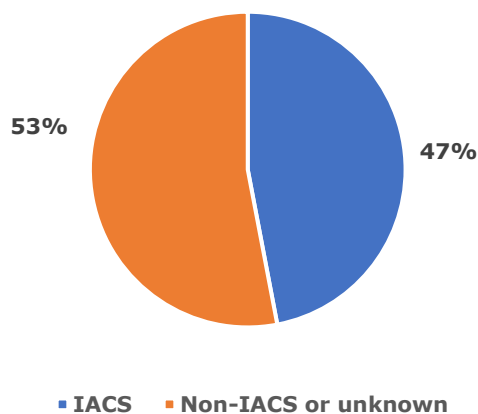
Ship type	IACS		Non-IACS or unknown		Total	
Bulk carriers	0	0.0%	7	0.5%	7	0.2%
Container ships	0	0.0%	1	0.1%	1	0.0%
Gas tankers	2	0.1%	0	Na	2	0.1%
General cargo ships	9	0.7%	163	10.8%	172	6.0%
Offshore vessels	214	15.7%	30	2.0%	244	8.5%
Oil and chemical tankers	17	1.2%	124	8.2%	141	4.9%
Other tankers	7	0.5%	6	0.4%	13	0.5%
Passenger ships	117	8.6%	108	7.1%	225	7.8%
Ro-ro cargo ships	11	0.8%	45	3.0%	56	1.9%
Service ships	109	8.0%	136	9.0%	245	8.5%
Specialized cargo ships	0	0.0%	0	0.0%	0	0.0%
Tugs	881	64.4%	892	59.0%	1,773	61.6%
Total	1,367	100%	1,512	100%	2,879	100%

Source: Equasis - ⁽¹⁾ GT<500 - IACS membership on 31/12/2022Table 36 - Gross tonnage (in 1000 GT) of 0-4 years old small⁽¹⁾ ships, by type and class

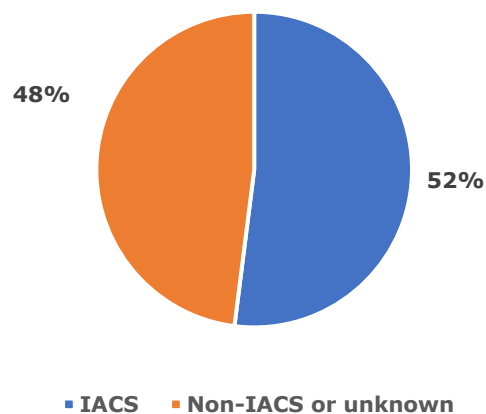
Ship type	IACS		Non-IACS or unknown		Total	
Bulk carriers	0	0.0%	3	0.7%	3	0.3%
Container ships	0	0.0%	0.5	0.1%	0.5	0.1%
Gas tankers	1	0.2%	0	0.0%	1	0.1%
General cargo ships	4	0.9%	70	17.0%	74	8.7%
Offshore vessels	57	12.9%	8	2.0%	65	7.7%
Oil and chemical tankers	8	1.8%	44	10.6%	51	6.0%
Other tankers	3	0.6%	2	0.6%	5	0.6%
Passenger ships	46	10.5%	27	6.5%	73	8.6%
Ro-ro cargo ships	5	1.1%	16	3.8%	20	2.4%
Service ships	30	6.8%	36	8.8%	66	7.7%
Specialized cargo ships	0	0.0%	0	0.0%	0	0.0%
Tugs	285	65.1%	205	49.9%	491	57.8%
Total	438	100%	412	100%	849	100%

Source: Equasis - ⁽¹⁾ GT<500 - IACS membership on 31/12/2022

Graph 34 - Total number of 0-4 years old small ships, by class



Graph 35 - Gross tonnage of 0-4 years old small ships, by class



0-4 YEARS OLD MEDIUM SIZED SHIPS

Table 37 - Total number of 0-4 years old medium sized⁽¹⁾ ships, by type and class

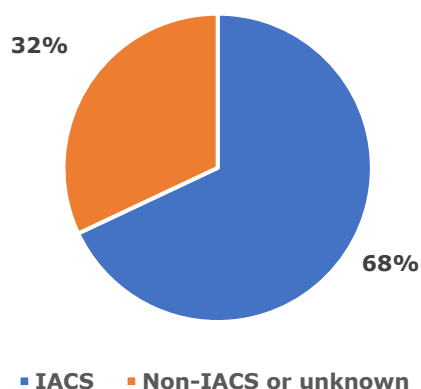
Ship type	IACS		Non-IACS or unknown		Total	
Bulk carriers	227	10.1%	165	15.9%	392	11.9%
Container ships	287	12.8%	77	7.4%	364	11.1%
Gas tankers	135	6.0%	10	1.0%	145	4.4%
General cargo ships	410	18.3%	252	24.3%	662	20.2%
Offshore vessels	266	11.8%	13	1.3%	279	8.5%
Oil and chemical tankers	477	21.2%	243	23.5%	720	21.9%
Other tankers	45	2.0%	9	0.9%	54	1.6%
Passenger ships	166	7.4%	96	9.3%	262	8.0%
Ro-ro cargo ships	57	2.5%	34	3.3%	91	2.8%
Service ships	112	5.0%	120	11.6%	232	7.1%
Specialized cargo ships	27	1.2%	5	0.5%	32	1.0%
Tugs	36	1.6%	12	1.2%	48	1.5%
Total	2,245	100%	1,036	100%	3,281	100%

Source: Equasis - ⁽¹⁾ 500≤GT<25,000 - IACS membership on 31/12/2022Table 38 - Gross tonnage (in 1000 GT) of 0-4 years old medium sized⁽¹⁾ ships, by type and class

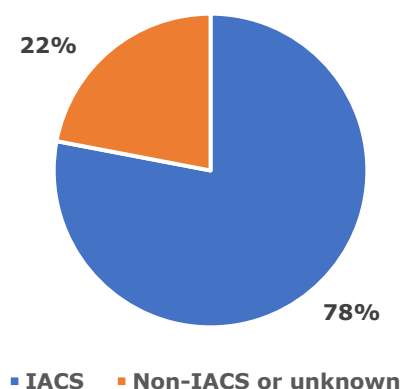
Ship type	IACS		Non-IACS or unknown		Total	
Bulk carriers	4,256	20.5%	1,569	26.6%	5,825	21.8%
Container ships	4,626	22.3%	1,086	18.4%	5,712	21.4%
Gas tankers	902	4.3%	30	0.5%	933	3.5%
General cargo ships	2,865	13.8%	1,061	18.0%	3,925	14.7%
Offshore vessels	1,077	5.2%	58	1.0%	1,135	4.3%
Oil and chemical tankers	4,222	20.3%	1,136	19.3%	5,359	20.1%
Other tankers	181	0.9%	24	0.4%	206	0.8%
Passenger ships	988	4.7%	421	7.1%	1,409	5.3%
Ro-ro cargo ships	485	2.3%	84	1.4%	570	2.1%
Service ships	763	3.7%	376	6.4%	1,139	4.3%
Specialized cargo ships	393	1.9%	39	0.7%	432	1.6%
Tugs	31	0.2%	11	0.2%	42	0.2%
Total	20,790	100%	5,895	100%	26,686	100%

Source: Equasis - ⁽¹⁾ 500≤GT<25,000 - IACS membership on 31/12/2022

Graph 36 - Total number of 0-4 years old medium sized ships, by class



Graph 37 - Gross tonnage of 0-4 years old medium sized ships, by class



0-4 YEARS OLD LARGE SHIPS

Table 39 - Total number of 0-4 years old large⁽¹⁾ ships, by type and class

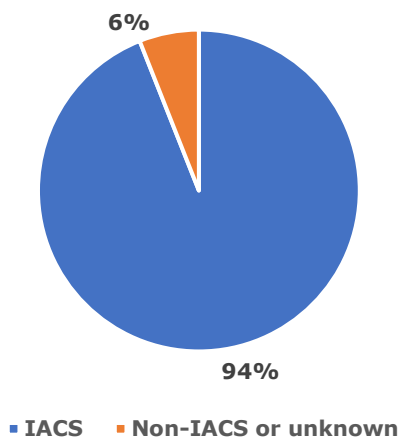
Ship type	IACS		Non-IACS or unknown		Total	
Bulk carriers	1,145	57.5%	105	84.0%	1,250	59.0%
Container ships	180	9.0%	14	11.2%	194	9.2%
Gas tankers	135	6.8%	0	0.0%	135	6.4%
General cargo ships	43	2.2%	0	0.0%	43	2.0%
Offshore vessels	1	0.1%	1	0.8%	2	0.1%
Oil and chemical tankers	404	20.3%	2	1.6%	406	19.2%
Other tankers	1	0.1%	0	0.0%	1	0.0%
Passenger ships	48	2.4%	0	0.0%	48	2.3%
Ro-ro cargo ships	20	1.0%	0	0.0%	20	0.9%
Service ships	9	0.5%	3	2.4%	12	0.6%
Specialized cargo ships	6	0.3%	0	0.0%	6	0.3%
Tugs	0	0.0%	0	Na	0	0.0%
Total	1,992	100%	125	100%	2,117	100%

Source: Equasis - ⁽¹⁾ 25,000≤GT<60,000 - IACS membership on 31/12/2022Table 40 - Gross tonnage (in 1000 GT) of 0-4 years old large⁽¹⁾ ships, by type and class

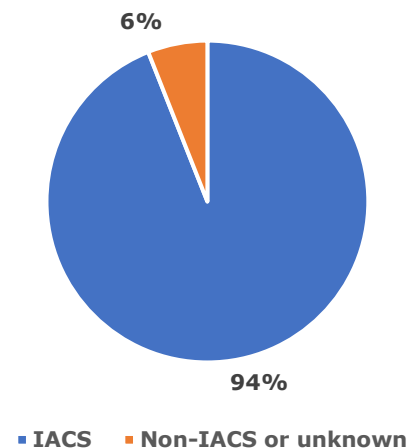
Ship type	IACS		Non-IACS or unknown		Total	
Bulk carriers	46,017	60.9%	3,678	82.5%	49,694	62.1%
Container ships	5,720	7.6%	564	12.6%	6,284	7.9%
Gas tankers	6,044	8.0%	0	0.0%	6,044	7.6%
General cargo ships	1,673	2.2%	0	0.0%	1,673	2.1%
Offshore vessels	29	0.0%	48	1.1%	77	0.1%
Oil and chemical tankers	12,515	16.6%	84	1.9%	12,598	15.8%
Other tankers	26	0.0%	0	0.0%	26	0.0%
Passenger ships	2,029	2.7%	0	0.0%	2,029	2.5%
Ro-ro cargo ships	851	1.1%	0	0.0%	851	1.1%
Service ships	344	0.5%	85	1.9%	430	0.5%
Specialized cargo ships	270	0.4%	0	0.0%	270	0.3%
Tugs	0	0.0%	0	0.0%	0	0.0%
Total	75,517	100%	4,459	100%	79,976	100%

Source: Equasis - ⁽¹⁾ 25,000≤GT<60,000 - IACS membership on 31/12/2022

Graph 38 - Total number of 0-4 years old large ships, by class



Graph 39 - Gross tonnage of 0-4 years old large ships, by class



0-4 YEARS OLD VERY LARGE SHIPS

Table 41 - Total number of 0-4 years old very large⁽¹⁾ ships, by type and class

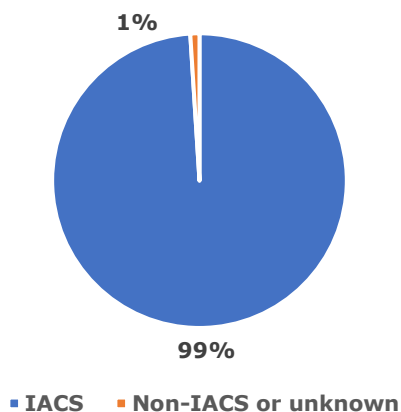
Ship type	IACS		Non-IACS or unknown		Total	
Bulk carriers	390	26.3%	0	0.0%	390	26.1%
Container ships	260	17.5%	1	10.0%	261	17.5%
Gas tankers	192	12.9%	2	20.0%	194	13.0%
General cargo ships	0	0.0%	0	0.0%	0	0.0%
Offshore vessels	30	2.0%	4	40.0%	34	2.3%
Oil and chemical tankers	530	35.7%	3	30.0%	533	35.7%
Other tankers	0	0.0%	0	0.0%	0	0.0%
Passenger ships	40	2.7%	0	0.0%	40	2.7%
Ro-ro cargo ships	39	2.6%	0	0.0%	39	2.6%
Service ships	0	0.0%	0	0.0%	0	0.0%
Specialized cargo ships	4	0.3%	0	0.0%	4	0.3%
Tugs	0	0.0%	0	0.0%	0	0.0%
Total	1,485	100%	10	100%	1,495	100%

Source: Equasis - ⁽¹⁾ GT≥60,000 - IACS membership on 31/12/2022Table 42 - Gross tonnage (in 1000 GT) of 0-4 years old very large⁽¹⁾ ships, by type and class

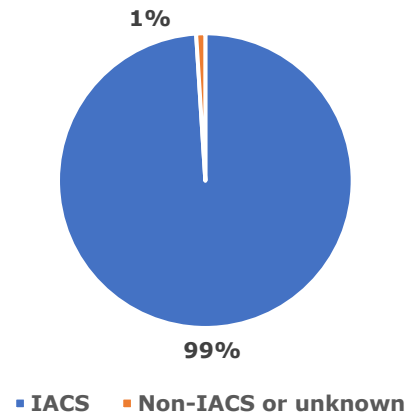
Ship type	IACS		Non-IACS or unknown		Total	
Bulk carriers	46,157	25.5%	0	0.0%	46,157	25.4%
Container ships	43,727	24.2%	73	6.1%	43,800	24.1%
Gas tankers	21,727	12.0%	258	21.5%	21,985	12.1%
General cargo ships	0	0.0%	0	0.0%	0	0.0%
Offshore vessels	4,019	2.2%	675	56.2%	4,694	2.6%
Oil and chemical tankers	56,108	31.0%	195	16.3%	56,303	30.9%
Other tankers	0	0.0%	0	0.0%	0	0.0%
Passenger ships	6,175	3.4%	0	0.0%	6,175	3.4%
Ro-ro cargo ships	2,643	1.5%	0	0.0%	2,643	1.5%
Service ships	0	0.0%	0	0.0%	0	0.0%
Specialized cargo ships	282	0.2%	0	0.0%	282	0.2%
Tugs	0	0.0%	0	0.0%	0	0.0%
Total	180,838	100%	1,201	100%	182,040	100%

Source: Equasis - ⁽¹⁾ GT≥60,000 - IACS membership on 31/12/2022

Graph 40 - Total number of 0-4 years old very large ships, by class



Graph 41 - Gross tonnage of 0-4 years old very large ships, by class



5-14 YEARS OLD SHIPS

Table 43 - World fleet GT≥100: total number of 5-14 years old ships, by type and class

Ship type	IACS		Non-IACS or unknown		Total	
Bulk carriers	6,881	26.1%	548	10.8%	7,429	23.6%
Container ships	2,020	7.7%	84	1.7%	2,104	6.7%
Gas tankers	927	3.5%	6	0.1%	933	3.0%
General cargo ships	2,041	7.7%	978	19.3%	3,019	9.6%
Offshore vessels	3,269	12.4%	127	2.5%	3,396	10.8%
Oil and chemical tankers	4,377	16.6%	751	14.8%	5,128	16.3%
Other tankers	313	1.2%	56	1.1%	369	1.2%
Passenger ships	562	2.1%	402	7.9%	964	3.1%
Ro-ro cargo ships	608	2.3%	256	5.1%	864	2.7%
Service ships	926	3.5%	289	5.7%	1,215	3.9%
Specialized cargo ships	113	0.4%	14	0.3%	127	0.4%
Tugs	4,331	16.4%	1,547	30.6%	5,878	18.7%
Total	26,368	100%	5,058	100%	31,426	100%

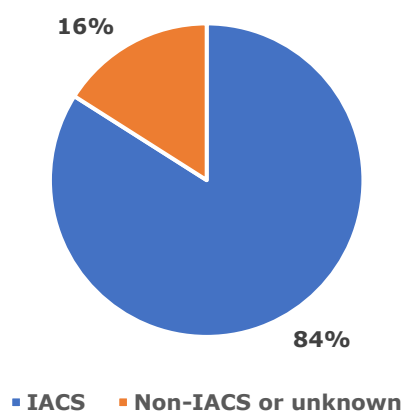
Source: Equasis - IACS membership on 31/12/2022

Table 44 - World fleet GT≥100: gross tonnage (in 1000 GT) of ships 5-14 years old, by type and class

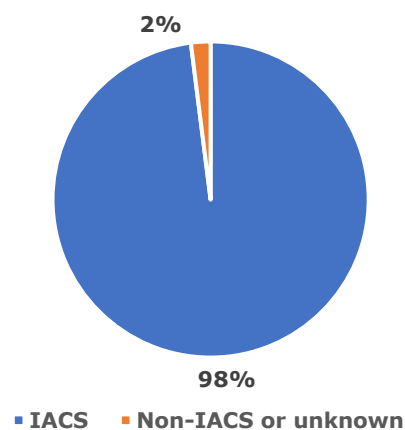
Ship type	IACS		Non-IACS or unknown		Total	
Bulk carriers	321,914	40.9%	8,791	48.4%	330,705	41.1%
Container ships	145,358	18.5%	1,018	5.6%	146,376	18.2%
Gas tankers	44,022	5.6%	391	2.2%	44,413	5.5%
General cargo ships	23,502	3.0%	2,536	14.0%	26,039	3.2%
Offshore vessels	21,245	2.7%	385	2.1%	21,630	2.7%
Oil and chemical tankers	186,887	23.7%	2,828	15.6%	189,715	23.6%
Other tankers	1,429	0.2%	63	0.3%	1,491	0.2%
Passenger ships	11,625	1.5%	1,071	5.9%	12,697	1.6%
Ro-ro cargo ships	24,138	3.1%	232	1.3%	24,370	3.0%
Service ships	3,285	0.4%	497	2.7%	3,782	0.5%
Specialized cargo ships	2,234	0.3%	36	0.2%	2,270	0.3%
Tugs	1,328	0.2%	330	1.8%	1,657	0.2%
Total	786,966	100%	18,179	100%	805,145	100%

Source: Equasis - IACS membership on 31/12/2022

Graph 42 - World fleet GT≥100: total number of 5-14 years old ships, by class



Graph 43 - World fleet GT≥100: gross tonnage of 5-14 years old of ships, by class



5-14 YEARS OLD SMALL SHIPS

Table 45 - Total number of 5-14 years old small⁽¹⁾ ships, by type and class

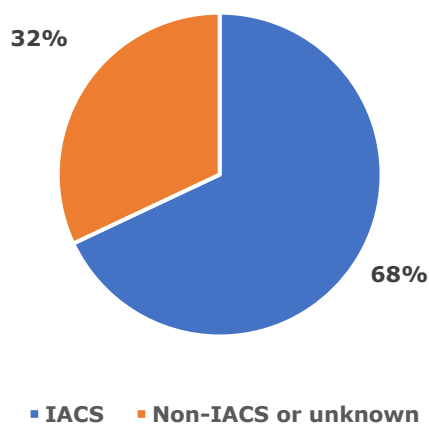
Ship type	IACS		Non-IACS or unknown		Total	
Bulk carriers	0	0.0%	22	0.9%	22	0.3%
Container ships	0	0.0%	3	0.1%	3	0.0%
Gas tankers	2	0.0%	0	0.0%	2	0.0%
General cargo ships	10	0.2%	242	9.7%	252	3.2%
Offshore vessels	609	11.2%	75	3.0%	684	8.6%
Oil and chemical tankers	57	1.1%	197	7.9%	254	3.2%
Other tankers	43	0.8%	28	1.1%	71	0.9%
Passenger ships	216	4.0%	165	6.6%	381	4.8%
Ro-ro cargo ships	46	0.8%	130	5.2%	176	2.2%
Service ships	345	6.4%	110	4.4%	455	5.7%
Specialized cargo ships	0	0.0%	0	0.0%	0	0.0%
Tugs	4,094	75.5%	1,532	61.2%	5,626	71.0%
Total	5,422	100%	2,504	100%	7,926	100%

Source: Equasis - ⁽¹⁾ GT<500 - IACS membership on 31/12/2022Table 46 - Gross tonnage (in 1000 GT) of 5-14 years old small⁽¹⁾ ships, by type and class

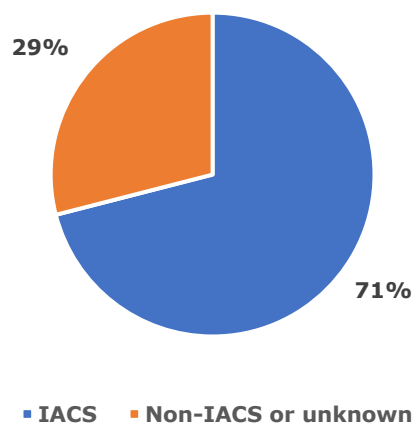
Ship type	IACS		Non-IACS or unknown		Total	
Bulk carriers	0	0.0%	10	1.5%	10	0.4%
Container ships	0	0.0%	1	0.2%	1	0.1%
Gas tankers	1	0.1%	0	0.0%	1	0.0%
General cargo ships	5	0.3%	102	16.0%	106	4.9%
Offshore vessels	178	11.5%	22	3.5%	200	9.2%
Oil and chemical tankers	25	1.7%	66	10.4%	92	4.2%
Other tankers	17	1.1%	8	1.2%	24	1.1%
Passenger ships	78	5.0%	43	6.7%	121	5.5%
Ro-ro cargo ships	22	1.4%	42	6.6%	64	3.0%
Service ships	101	6.5%	29	4.5%	129	5.9%
Specialized cargo ships	0	0.0%	0	0.0%	0	0.0%
Tugs	1,113	72.4%	314	49.3%	1,427	65.6%
Total	1,538	100%	637	100%	2,175	100%

Source: Equasis - ⁽¹⁾ GT<500 - IACS membership on 31/12/2022

Graph 44 - Total number of 5-14 years old small ships, by class



Graph 45 - Gross tonnage of 5-14 years old small ships, by class



5-14 YEARS OLD MEDIUM SIZED SHIPS

Table 47 - Total number of 5-14 years old medium sized⁽¹⁾ ships, by type and class

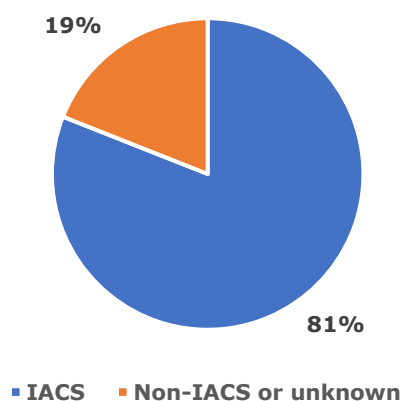
Ship type	IACS		Non-IACS or unknown		Total	
Bulk carriers	1,557	15.3%	351	15.0%	1,908	15.2%
Container ships	495	4.8%	65	2.8%	560	4.5%
Gas tankers	432	4.2%	3	0.1%	435	3.5%
General cargo ships	1,867	18.3%	736	31.4%	2,603	20.7%
Offshore vessels	2,504	24.5%	50	2.1%	2,554	20.3%
Oil and chemical tankers	1,819	17.8%	541	23.1%	2,360	18.8%
Other tankers	261	2.6%	28	1.2%	289	2.3%
Passenger ships	229	2.2%	237	10.1%	466	3.7%
Ro-ro cargo ships	152	1.5%	126	5.4%	278	2.2%
Service ships	568	5.6%	178	7.6%	746	5.9%
Specialized cargo ships	87	0.9%	14	0.6%	101	0.8%
Tugs	237	2.3%	15	0.6%	252	2.0%
Total	10,208	100%	2,344	100%	12,552	100%

Source: Equasis - ⁽¹⁾ 500≤GT<25,000 - IACS membership on 31/12/2022Table 48 - Gross tonnage (in 1000 GT) of 5-14 years old medium sized⁽¹⁾ ships, by type and class

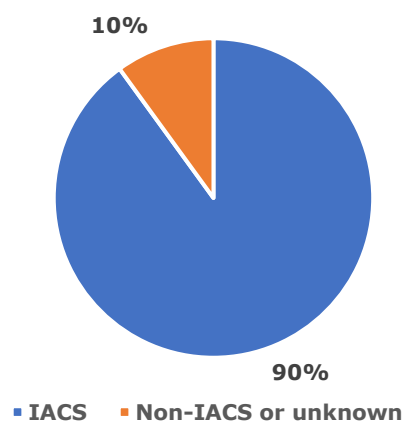
Ship type	IACS		Non-IACS or unknown		Total	
Bulk carriers	30,745	34.1%	3,351	32.4%	34,096	33.9%
Container ships	6,611	7.3%	518	5.0%	7,128	7.1%
Gas tankers	3,730	4.1%	5	0.0%	3,735	3.7%
General cargo ships	18,012	20.0%	2,434	23.5%	20,446	20.4%
Offshore vessels	8,917	9.9%	224	2.2%	9,141	9.1%
Oil and chemical tankers	15,033	16.7%	2,057	19.9%	17,090	17.0%
Other tankers	1,156	1.3%	55	0.5%	1,211	1.2%
Passenger ships	1,030	1.1%	1,028	9.9%	2,058	2.0%
Ro-ro cargo ships	1,266	1.4%	190	1.8%	1,456	1.4%
Service ships	2,344	2.6%	441	4.3%	2,786	2.8%
Specialized cargo ships	1,040	1.2%	36	0.3%	1,076	1.1%
Tugs	215	0.2%	15	0.1%	230	0.2%
Total	90,100	100%	10,355	100%	100,455	100%

Source: Equasis - ⁽¹⁾ 500≤GT<25,000 - IACS membership on 31/12/2022

Graph 46 - Total number of 5-14 years old medium sized ships, by class



Graph 47 - Gross tonnage of 5-14 years old medium sized ships, by class



5-14 YEARS OLD LARGE SHIPS

Table 49 - Total number of 5-14 years old large⁽¹⁾ ships, by type and class

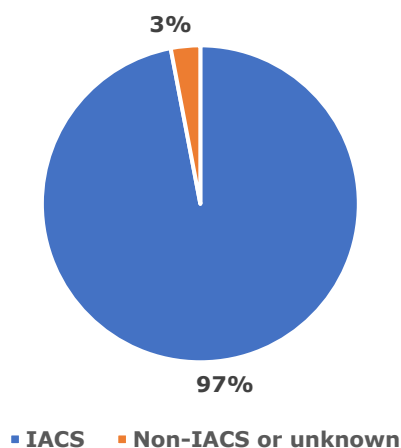
Ship type	IACS		Non-IACS or unknown		Total	
Bulk carriers	3,988	59.9%	175	87.5%	4,163	60.7%
Container ships	594	8.9%	16	8.0%	610	8.9%
Gas tankers	231	3.5%	0	0.0%	231	3.4%
General cargo ships	164	2.5%	0	0.0%	164	2.4%
Offshore vessels	60	0.9%	1	0.5%	61	0.9%
Oil and chemical tankers	1,279	19.2%	7	3.5%	1,286	18.8%
Other tankers	9	0.1%	0	0.0%	9	0.1%
Passenger ships	50	0.8%	0	0.0%	50	0.7%
Ro-ro cargo ships	250	3.8%	0	0.0%	250	3.6%
Service ships	12	0.2%	1	0.5%	13	0.2%
Specialized cargo ships	21	0.3%	0	0.0%	21	0.3%
Tugs	0	0.0%	0	0.0%	0	0.0%
Total	6,658	100%	200	100%	6,858	100%

Source: Equasis - ⁽¹⁾ 25,000≤GT<60,000 - IACS membership on 31/12/2022Table 50 - Gross tonnage (in 1000 GT) of 5-14 years old large⁽¹⁾ ships, by type and class

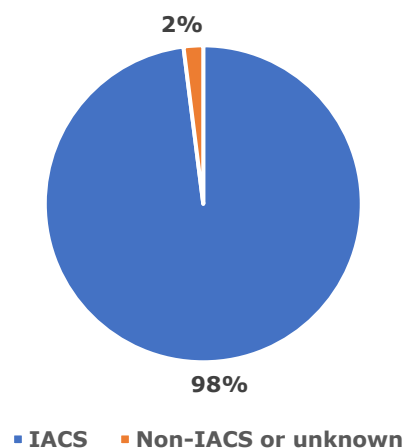
Ship type	IACS		Non-IACS or unknown		Total	
Bulk carriers	152,715	60.4%	5,431	86.2%	158,145	61.1%
Container ships	23,646	9.4%	499	7.9%	24,145	9.3%
Gas tankers	9,986	4.0%	0	0.0%	9,986	3.9%
General cargo ships	5,486	2.2%	0	0.0%	5,486	2.1%
Offshore vessels	2,692	1.1%	296	0.5%	2,721	1.1%
Oil and chemical tankers	43,079	17.0%	316	5.0%	43,395	16.8%
Other tankers	256	0.1%	0	0.0%	256	0.1%
Passenger ships	1,893	0.7%	0	0.0%	1,893	0.7%
Ro-ro cargo ships	11,668	4.6%	0	0.0%	11,668	4.5%
Service ships	437	0.2%	27	0.4%	464	0.2%
Specialized cargo ships	822	0.3%	0	0.0%	822	0.3%
Tugs	0	0.0%	0	0.0%	0	0.0%
Total	252,679	100%	6,302	100%	258,981	100%

Source: Equasis - ⁽¹⁾ 25,000≤GT<60,000 - IACS membership on 31/12/2022

Graph 48 - Total number of 5-14 years old large ships, by class



Graph 49 - Gross tonnage of 5-14 years old large ships, by class



5-14 YEARS OLD VERY LARGE SHIPS

Table 51 - Total number of 5-14 years old very large⁽¹⁾ ships, by type and class

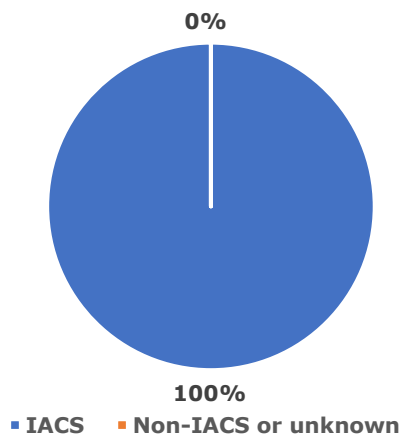
Ship type	IACS		Non-IACS or unknown		Total	
Bulk carriers	1,336	32.7%	0	0.0%	1,336	32.7%
Container ships	931	22.8%	0	0.0%	931	22.8%
Gas tankers	262	6.4%	3	30.0%	265	6.5%
General cargo ships	0	0.0%	0	0.0%	0	0.0%
Offshore vessels	96	2.4%	1	10.0%	97	2.4%
Oil and chemical tankers	1,222	30.0%	6	60.0%	1,228	30.0%
Other tankers	0	0.0%	0	0.0%	0	0.0%
Passenger ships	67	1.6%	0	0.0%	67	1.6%
Ro-ro cargo ships	160	3.9%	0	0.0%	160	3.9%
Service ships	1	0.0%	0	0.0%	1	0.0%
Specialized cargo ships	5	0.1%	0	0.0%	5	0.1%
Tugs	0	0.0%	0	0.0%	0	0.0%
Total	4,080	100%	10	100%	4,090	100%

Source: Equasis - ⁽¹⁾ GT≥60,000 - IACS membership on 31/12/2022Table 52 - Gross tonnage (in 1000 GT) of 5-14 years old very large⁽¹⁾ ships, by type and class

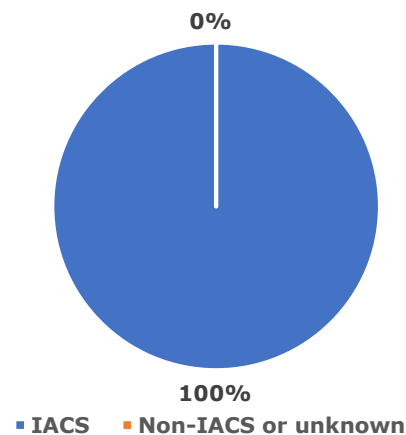
Ship type	IACS		Non-IACS or unknown		Total	
Bulk carriers	138,454	31.3%	0	0.0%	138,454	31.2%
Container ships	115,101	26.0%	0	0.0%	115,101	26.0%
Gas tankers	30,304	6.8%	386	43.6%	30,691	6.9%
General cargo ships	0	0.0%	0	0.0%	0	0.0%
Offshore vessels	9,459	2.1%	109	12.4%	9,568	2.2%
Oil and chemical tankers	128,750	29.1%	389	44.0%	129,139	29.1%
Other tankers	0	0.0%	0	0.0%	0	0.0%
Passenger ships	8,624	1.9%	0	0.0%	8,624	1.9%
Ro-ro cargo ships	11,182	2.5%	0	0.0%	11,182	2.5%
Service ships	403	0.1%	0	0.0%	403	0.1%
Specialized cargo ships	371	0.1%	0	0.0%	371	0.1%
Tugs	0	0.0%	0	0.0%	0	0.0%
Total	442,648	100%	885	100%	443,534	100%

Source: Equasis - ⁽¹⁾ GT≥60,000 - IACS membership on 31/12/2022

Graph 50 - Total number of 5-14 years old very large ships, by class



Graph 51 - Gross tonnage of 5-14 years old very large ships, by class



15-24 YEARS OLD SHIPS

Table 53 - World fleet GT≥100: total number of 15-24 years old ships, by type and class

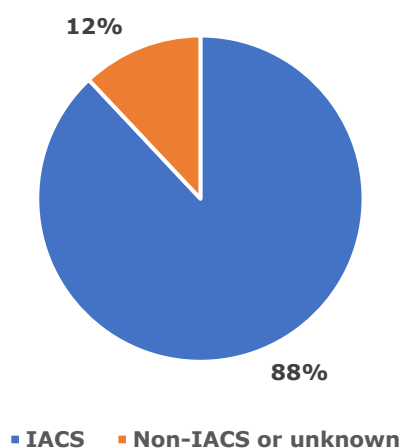
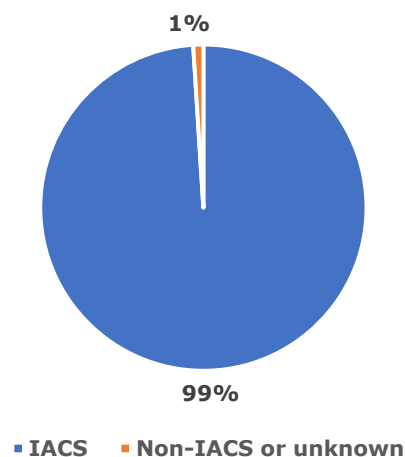
Ship type	IACS		Non-IACS or unknown		Total	
Bulk carriers	2,389	14.8%	66	3.0%	2,455	13.4%
Container ships	2,273	14.1%	43	2.0%	2,316	12.7%
Gas tankers	604	3.7%	6	0.3%	610	3.3%
General cargo ships	1,781	11.1%	717	32.7%	2,498	13.7%
Offshore vessels	1,382	8.6%	46	2.1%	1,428	7.8%
Oil and chemical tankers	3,625	22.5%	219	10.0%	3,844	21.0%
Other tankers	100	0.6%	15	0.7%	115	0.6%
Passenger ships	636	3.9%	150	6.8%	786	4.3%
Ro-ro cargo ships	494	3.1%	254	11.6%	748	4.1%
Service ships	513	3.2%	110	5.0%	623	3.4%
Specialized cargo ships	40	0.2%	0	0.0%	40	0.2%
Tugs	2,272	14.1%	565	25.8%	2,837	15.5%
Total	16,109	100%	2,191	100%	18,300	100%

Source: Equasis - IACS membership on 31/12/2022

Table 54 - World fleet GT≥100: gross tonnage (in 1000 GT) of ships 15-24 years old, by type and class

Ship type	IACS		Non-IACS or unknown		Total	
Bulk carriers	90,784	23.2%	448	7.9%	91,232	23.0%
Container ships	85,332	21.8%	317	5.6%	85,649	21.5%
Gas tankers	28,423	7.3%	16	0.3%	28,439	7.2%
General cargo ships	12,634	3.2%	2,086	36.6%	14,720	3.7%
Offshore vessels	14,060	3.6%	772	13.6%	14,832	3.7%
Oil and chemical tankers	123,696	31.6%	1,408	24.7%	125,104	31.5%
Other tankers	502	0.1%	14	0.3%	517	0.1%
Passenger ships	13,946	3.6%	209	3.7%	14,155	3.6%
Ro-ro cargo ships	18,953	4.8%	160	2.8%	19,114	4.8%
Service ships	2,114	0.5%	149	2.6%	2,263	0.6%
Specialized cargo ships	691	0.2%	0	0.0%	691	0.2%
Tugs	689	0.2%	113	2.0%	802	0.2%
Total	391,825	100%	5,692	100%	397,517	100%

Source: Equasis - IACS membership on 31/12/2022

Graph 52 - World fleet GT≥100: total number of 15-24 years old ships, by class**Graph 53 - World fleet GT≥100: gross tonnage of 15-24 years old of ships, by class**

15-24 YEARS OLD SMALL SHIPS

Table 55 - Total number of 15-24 years old small⁽¹⁾ ships, by type and class

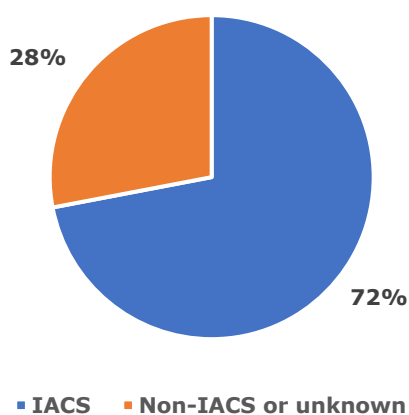
Ship type	IACS		Non-IACS or unknown		Total	
Bulk carriers	0	0.0%	2	0.2%	2	0.1%
Container ships	0	0.0%	0	0.0%	0	0.0%
Gas tankers	2	0.1%	0	0.0%	2	0.1%
General cargo ships	15	0.5%	111	10.3%	126	3.2%
Offshore vessels	244	8.7%	16	1.5%	260	6.7%
Oil and chemical tankers	16	0.6%	34	3.2%	50	1.3%
Other tankers	8	0.3%	8	0.7%	16	0.4%
Passenger ships	148	5.3%	85	7.9%	233	6.0%
Ro-ro cargo ships	22	0.8%	200	18.6%	222	5.7%
Service ships	187	6.7%	63	5.8%	250	6.4%
Specialized cargo ships	0	0.0%	0	0.0%	0	0.0%
Tugs	2,164	77.1%	559	51.9%	2,723	70.1%
Total	2,806	100%	1,078	100%	3,884	100%

Source: Equasis - ⁽¹⁾ GT<500 - IACS membership on 31/12/2022Table 56 - Gross tonnage (in 1000 GT) of 15-24 years old small⁽¹⁾ ships, by type and class

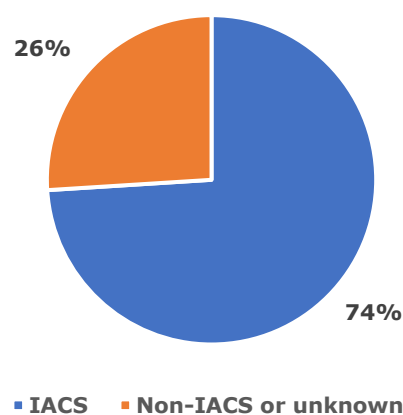
Ship type	IACS		Non-IACS or unknown		Total	
Bulk carriers	0	0.0%	1	0.3%	1	0.1%
Container ships	0	0.0%	0	0.0%	0	0.0%
Gas tankers	1	0.1%	0	0.0%	1	0.1%
General cargo ships	7	0.9%	52	18.6%	59	5.4%
Offshore vessels	82	10.2%	4	1.6%	86	8.0%
Oil and chemical tankers	7	0.9%	10	3.5%	17	1.5%
Other tankers	3	0.4%	2	0.8%	6	0.5%
Passenger ships	43	5.4%	20	7.3%	64	5.9%
Ro-ro cargo ships	9	1.2%	64	23.1%	74	6.8%
Service ships	54	6.8%	17	6.0%	71	6.6%
Specialized cargo ships	0	0.0%	0	0.0%	0	0.0%
Tugs	594	74.1%	108	38.9%	702	65.0%
Total	801	100%	279	100%	1,080	100%

Source: Equasis - ⁽¹⁾ GT<500 - IACS membership on 31/12/2022

Graph 54 - Total number of 15-24 years old small ships, by class



Graph 55 - Gross tonnage of 15-24 years old small ships, by class



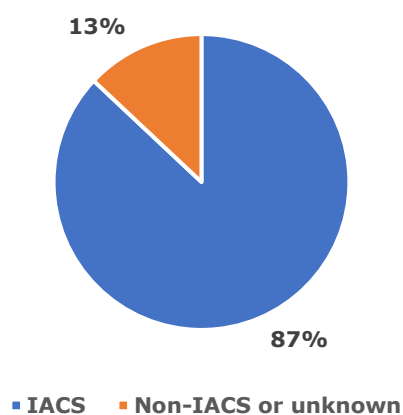
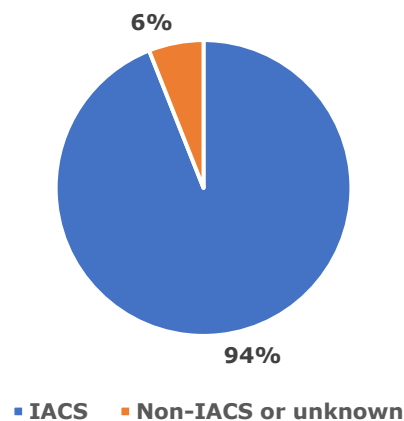
15-24 YEARS OLD MEDIUM SIZED SHIPS

Table 57 - Total number of 15-24 years old medium sized⁽¹⁾ ships, by type and class

Ship type	IACS		Non-IACS or unknown		Total	
Bulk carriers	619	8.4%	62	5.7%	681	8.0%
Container ships	944	12.8%	41	3.8%	985	11.6%
Gas tankers	285	3.9%	6	0.5%	291	3.4%
General cargo ships	1,721	23.3%	606	55.5%	2,327	27.4%
Offshore vessels	1,040	14.1%	24	2.2%	1,064	12.5%
Oil and chemical tankers	1,797	24.3%	175	16.0%	1,972	23.2%
Other tankers	87	1.2%	7	0.6%	94	1.1%
Passenger ships	291	3.9%	64	5.9%	355	4.2%
Ro-ro cargo ships	150	2.0%	54	4.9%	204	2.4%
Service ships	318	4.3%	47	4.3%	365	4.3%
Specialized cargo ships	32	0.4%	0	0.0%	32	0.4%
Tugs	108	1.5%	6	0.5%	114	1.3%
Total	7,392	100%	1,092	100%	8,484	100%

Source: Equasis - ⁽¹⁾ 500≤GT<25,000 - IACS membership on 31/12/2022**Table 58 - Gross tonnage (in 1000 GT) of 15-24 years old medium sized⁽¹⁾ ships, by type and class**

Ship type	IACS		Non-IACS or unknown		Total	
Bulk carriers	9,240	15.5%	395	10.1%	9,636	15.1%
Container ships	11,890	19.9%	245	6.3%	12,135	19.1%
Gas tankers	2,004	3.4%	16	0.4%	2,020	3.2%
General cargo ships	11,181	18.7%	2,034	52.1%	13,215	20.8%
Offshore vessels	2,768	4.6%	94	2.4%	2,862	4.5%
Oil and chemical tankers	16,610	27.8%	714	18.3%	17,324	27.2%
Other tankers	344	0.6%	12	0.3%	356	0.6%
Passenger ships	1,661	2.8%	163	4.2%	1,824	2.9%
Ro-ro cargo ships	2,017	3.4%	96	2.5%	2,113	3.3%
Service ships	1,551	2.6%	132	3.4%	1,683	2.6%
Specialized cargo ships	366	0.6%	0	0.0%	366	0.6%
Tugs	95	0.2%	5	0.1%	100	0.2%
Total	59,726	100%	3,906	100%	63,632	100%

Source: Equasis - ⁽¹⁾ 500≤GT<25,000 - IACS membership on 31/12/2022**Graph 56 - Total number of 15-24 years old medium sized ships, by class****Graph 57 - Gross tonnage of 15-24 years old medium sized ships, by class**

15-24 YEARS OLD LARGE SHIPS

Table 59 - Total number of 15-24 years old large⁽¹⁾ ships, by type and class

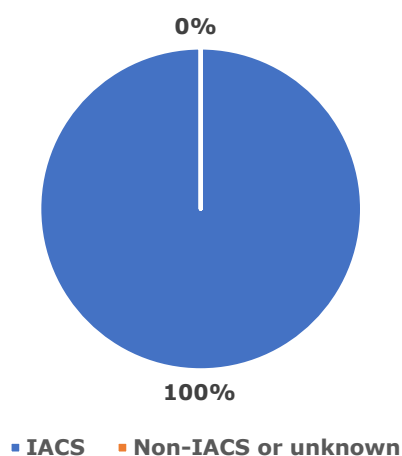
Ship type	IACS		Non-IACS or unknown		Total	
Bulk carriers	1,463	36.0%	2	22.2%	1,465	35.9%
Container ships	805	19.8%	2	22.2%	807	19.8%
Gas tankers	118	2.9%	0	0.0%	118	2.9%
General cargo ships	45	1.1%	0	0.0%	45	1.1%
Offshore vessels	24	0.6%	0	0.0%	24	0.6%
Oil and chemical tankers	1,242	30.5%	4	44.4%	1,246	30.6%
Other tankers	5	0.1%	0	0.0%	5	0.1%
Passenger ships	111	2.7%	1	11.1%	112	2.7%
Ro-ro cargo ships	244	6.0%	0	0.0%	244	6.0%
Service ships	4	0.1%	0	0.0%	4	0.1%
Specialized cargo ships	8	0.2%	0	0.0%	8	0.2%
Tugs	0	0.0%	0	0.0%	0	0.0%
Total	4,069	100%	9	100%	4,078	100%

Source: Equasis - ⁽¹⁾ 25,000≤GT<60,000 - IACS membership on 31/12/2022Table 60 - Gross tonnage (in 1000 GT) of 15-24 years old large⁽¹⁾ ships, by type and class

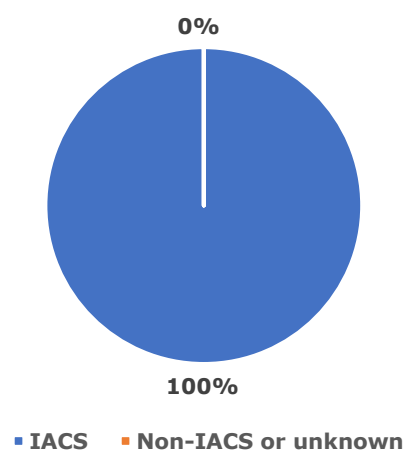
Ship type	IACS		Non-IACS or unknown		Total	
Bulk carriers	52,848	34.6%	52	15.5%	52,890	34.5%
Container ships	29,603	19.4%	72	21.5%	29,675	19.4%
Gas tankers	5,240	3.4%	0	0.0%	5,240	3.4%
General cargo ships	1,446	0.9%	0	0.0%	1,447	0.9%
Offshore vessels	1,011	0.7%	0	0.0%	1,011	0.7%
Oil and chemical tankers	46,180	30.2%	185	55.5%	46,365	30.3%
Other tankers	155	0.1%	0	0.0%	155	0.1%
Passenger ships	3,885	2.5%	25	7.5%	3,910	2.6%
Ro-ro cargo ships	11,940	7.8%	0	0.0%	11,940	7.8%
Service ships	155	0.1%	0	0.0%	155	0.1%
Specialized cargo ships	325	0.2%	0	0.0%	325	0.2%
Tugs	0	0.0%	0	0.0%	0	0.0%
Total	152,789	100%	333	100%	153,122	100%

Source: Equasis - ⁽¹⁾ 25,000≤GT<60,000 - IACS membership on 31/12/2022

Graph 58 - Total number of 15-24 years old large ships, by class



Graph 59 - Gross tonnage of 15-24 years old large ships, by class



15-24 YEARS OLD VERY LARGE SHIPS

Table 61 - Total number of 15-24 years old very large⁽¹⁾ ships, by type and class

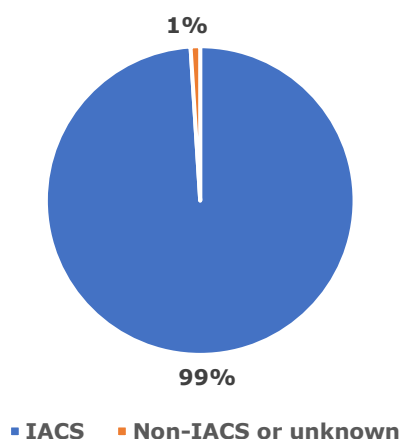
Ship type	IACS		Non-IACS or unknown		Total	
Bulk carriers	307	16.7%	0	0.0%	307	16.6%
Container ships	524	28.4%	0	0.0%	524	28.3%
Gas tankers	199	10.8%	0	0.0%	199	10.7%
General cargo ships	0	0.0%	0	0.0%	0	0.0%
Offshore vessels	74	4.0%	6	50.0%	80	4.3%
Oil and chemical tankers	570	30.9%	6	50.0%	576	31.1%
Other tankers	0	0.0%	0	0.0%	0	0.0%
Passenger ships	86	4.7%	0	0.0%	86	4.6%
Ro-ro cargo ships	78	4.2%	0	0.0%	78	4.2%
Service ships	4	0.2%	0	0.0%	4	0.2%
Specialized cargo ships	0	0.0%	0	0.0%	0	0.0%
Tugs	0	0.0%	0	0.0%	0	0.0%
Total	1,842	100%	12	100%	1,854	100%

Source: Equasis - ⁽¹⁾ GT≥60,000 - IACS membership on 31/12/2022Table 62 - Gross tonnage (in 1000 GT) of 15-24 years old very large⁽¹⁾ ships, by type and class

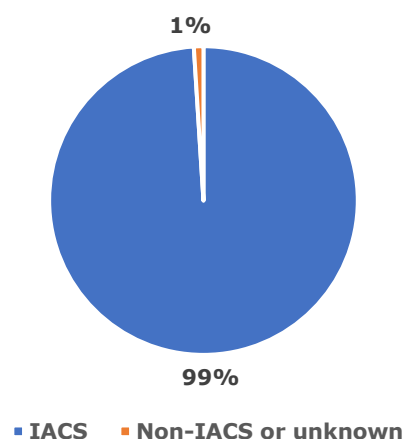
Ship type	IACS		Non-IACS or unknown		Total	
Bulk carriers	28,696	16.1%	0	0.0%	28,696	16.0%
Container ships	43,839	24.6%	0	0.0%	43,839	24.4%
Gas tankers	21,178	11.9%	0	0.0%	21,178	11.8%
General cargo ships	0	0.0%	0	0.0%	0	0.0%
Offshore vessels	10,199	5.7%	674	57.5%	10,873	6.1%
Oil and chemical tankers	60,899	34.1%	499	42.5%	61,398	34.2%
Other tankers	0	0.0%	0	0.0%	0	0.0%
Passenger ships	8,357	4.7%	0	0.0%	8,357	4.7%
Ro-ro cargo ships	4,987	2.8%	0	0.0%	4,987	2.8%
Service ships	354	0.2%	0	0.0%	354	0.2%
Specialized cargo ships	0	0.0%	0	0.0%	0	0.0%
Tugs	0	0.0%	0	0.0%	0	0.0%
Total	178,510	100%	1,173	100%	179,683	100%

Source: Equasis - ⁽¹⁾ GT≥60,000 - IACS membership on 31/12/2022

Graph 60 - Total number of 15-24 years old very large ships, by class



Graph 61 - Gross tonnage of 15-24 years old very large ships, by class



25+ YEARS OLD SHIPS

Table 63 - World fleet GT≥100: total number of 25+ years old ships, by type and class

Ship type	IACS		Non-IACS or unknown		Total	
Bulk carriers	762	8.8%	111	2.2%	873	6.4%
Container ships	516	5.9%	21	0.4%	537	3.9%
Gas tankers	244	2.8%	10	0.2%	254	1.9%
General cargo ships	1,985	22.9%	2,179	43.4%	4,164	30.4%
Offshore vessels	710	8.2%	209	4.2%	919	6.7%
Oil and chemical tankers	646	7.4%	579	11.5%	1,225	8.9%
Other tankers	107	1.2%	94	1.9%	201	1.5%
Passenger ships	1,048	12.1%	417	8.3%	1,465	10.7%
Ro-ro cargo ships	257	3.0%	105	2.1%	362	2.6%
Service ships	727	8.4%	419	8.3%	1,146	8.4%
Specialized cargo ships	83	1.0%	48	1.0%	131	1.0%
Tugs	1,601	18.4%	829	16.5%	2,430	17.7%
Total	8,686	100%	5,021	100%	13,707	100%

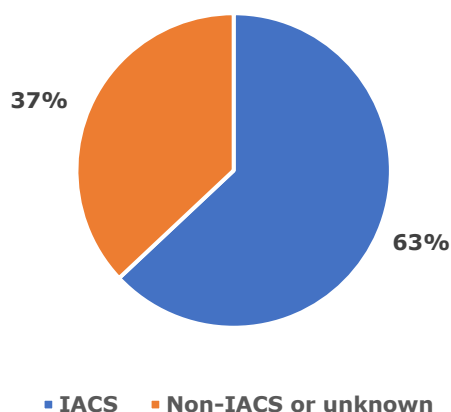
Source: Equasis - IACS membership on 31/12/2022

Table 64 - World fleet GT≥100: gross tonnage (in 1000 GT) of ships 25+ years old, by type and class

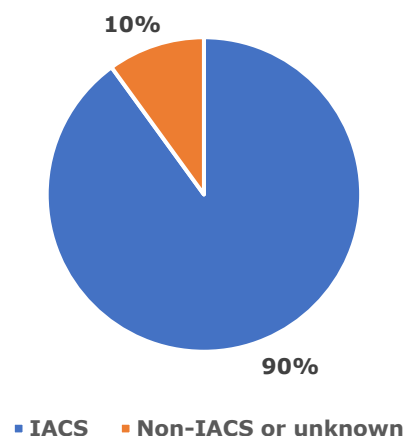
Ship type	IACS		Non-IACS or unknown		Total	
Bulk carriers	14,766	19.1%	559	6.3%	15,325	17.8%
Container ships	9,449	12.3%	143	1.6%	9,592	11.1%
Gas tankers	5,553	7.2%	13	0.1%	5,566	6.5%
General cargo ships	9,102	11.8%	4,850	54.4%	13,953	16.2%
Offshore vessels	15,362	19.9%	240	2.7%	15,603	18.1%
Oil and chemical tankers	5,198	6.7%	1,080	12.1%	6,278	7.3%
Other tankers	205	0.3%	62	0.7%	268	0.3%
Passenger ships	8,707	11.3%	669	7.5%	9,376	10.9%
Ro-ro cargo ships	4,241	5.5%	217	2.4%	4,457	5.2%
Service ships	2,601	3.4%	678	7.6%	3,279	3.8%
Specialized cargo ships	1,460	1.9%	187	2.1%	1,646	1.9%
Tugs	486	0.6%	224	2.5%	710	0.8%
Total	77,130	100%	8,920	100%	86,051	100%

Source: Equasis - IACS membership on 31/12/2022

Graph 62 - World fleet GT≥100: total number of 25+ years old ships, by class



Graph 63 - World fleet GT≥100: gross tonnage of 25+ years old of ships, by class



25+ YEARS OLD SMALL SHIPS

Table 65 - Total number of 25+ years old small⁽¹⁾ ships, by type and class

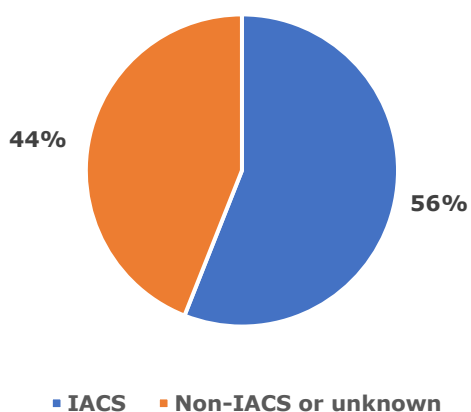
Ship type	IACS		Non-IACS or unknown		Total	
Bulk carriers	3	0.1%	15	0.8%	18	0.4%
Container ships	0	0.0%	0	0.0%	0	0.0%
Gas tankers	0	0.0%	1	0.1%	1	0.0%
General cargo ships	58	2.5%	356	19.1%	414	9.8%
Offshore vessels	180	7.6%	119	6.4%	299	7.1%
Oil and chemical tankers	37	1.6%	144	7.7%	181	4.3%
Other tankers	28	1.2%	55	2.9%	83	2.0%
Passenger ships	376	15.9%	212	11.4%	588	13.9%
Ro-ro cargo ships	18	0.8%	54	2.9%	72	1.7%
Service ships	189	8.0%	163	8.7%	352	8.3%
Specialized cargo ships	0	0.0%	1	0.1%	1	0.0%
Tugs	1,470	62.3%	746	40.0%	2,216	52.4%
Total	2,359	100%	1,866	100%	4,225	100%

Source: Equasis - ⁽¹⁾ GT<500 - IACS membership on 31/12/2022Table 66 - Gross tonnage (in 1000 GT) of 25+ years old small⁽¹⁾ ships, by type and class

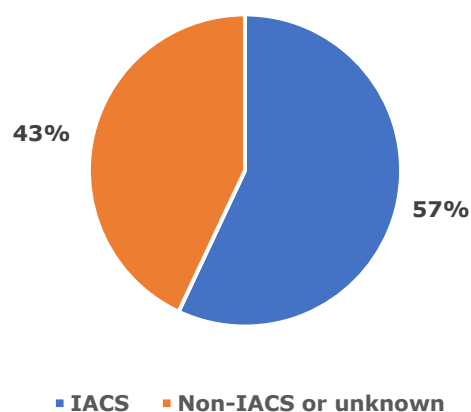
Ship type	IACS		Non-IACS or unknown		Total	
Bulk carriers	1	0.2%	7	1.4%	8	0.7%
Container ships	0	0.0%	0	0.0%	0	0.0%
Gas tankers	0	0.0%	0.5	0.1%	0.5	0.0%
General cargo ships	17	2.7%	130	26.5%	147	13.0%
Offshore vessels	48	7.4%	30	6.2%	78	6.9%
Oil and chemical tankers	13	2.1%	46	9.5%	60	5.3%
Other tankers	9	1.4%	16	3.3%	25	2.2%
Passenger ships	111	17.3%	52	10.6%	163	14.4%
Ro-ro cargo ships	6	1.0%	18	3.6%	24	2.1%
Service ships	52	8.0%	41	8.3%	93	8.2%
Specialized cargo ships	0	0.0%	0.5	0.1%	0	0.0%
Tugs	385	59.9%	150	30.5%	535	47.2%
Total	643	100%	490	100%	1,134	100%

Source: Equasis - ⁽¹⁾ GT<500 - IACS membership on 31/12/2022

Graph 64 - Total number of 25+ years old small ships, by class



Graph 65 - Gross tonnage of 25+ years old small ships, by class



25+ YEARS OLD MEDIUM SIZED SHIPS

Table 67 - Total number of 25+ years old medium sized⁽¹⁾ ships, by type and class

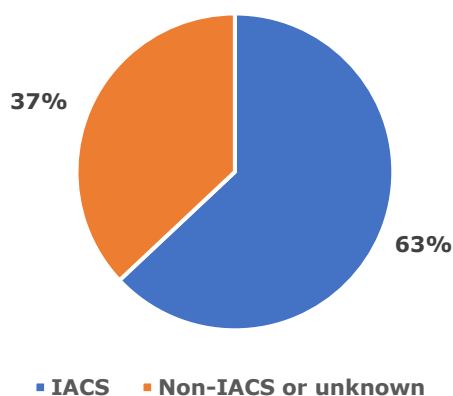
Ship type	IACS		Non-IACS or unknown		Total	
Bulk carriers	499	9.2%	91	2.9%	590	6.9%
Container ships	398	7.3%	21	0.7%	419	4.9%
Gas tankers	180	3.3%	9	0.3%	189	2.2%
General cargo ships	1,884	34.6%	1,822	57.9%	3,706	43.2%
Offshore vessels	389	7.2%	89	2.8%	478	5.6%
Oil and chemical tankers	555	10.2%	434	13.8%	989	11.5%
Other tankers	78	1.4%	39	1.2%	117	1.4%
Passenger ships	556	10.2%	205	6.5%	761	8.9%
Ro-ro cargo ships	190	3.5%	51	1.6%	241	2.8%
Service ships	524	9.6%	256	8.1%	780	9.1%
Specialized cargo ships	56	1.0%	46	1.5%	102	1.2%
Tugs	131	2.4%	83	2.6%	214	2.5%
Total	5,440	100%	3,146	100%	8,586	100%

Source: Equasis - ⁽¹⁾ 500≤GT<25,000 - IACS membership on 31/12/2022Table 68 - Gross tonnage (in 1000 GT) of 25+ years old medium sized⁽¹⁾ ships, by type and class

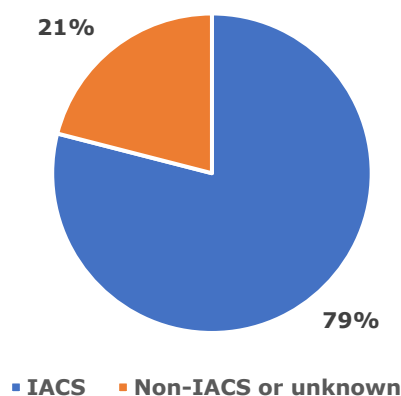
Ship type	IACS		Non-IACS or unknown		Total	
Bulk carriers	5,863	19.4%	407	5.0%	6,270	16.4%
Container ships	4,307	14.3%	143	1.8%	4,449	11.6%
Gas tankers	901	3.0%	12	0.1%	913	2.4%
General cargo ships	7,716	25.6%	4,682	57.6%	12,398	32.4%
Offshore vessels	1,009	3.3%	143	1.8%	1,152	3.0%
Oil and chemical tankers	2,569	8.5%	1,007	12.4%	3,577	9.3%
Other tankers	168	0.6%	46	0.6%	214	0.6%
Passenger ships	3,614	12.0%	617	7.6%	4,231	11.0%
Ro-ro cargo ships	1,737	5.8%	199	2.5%	1,936	5.1%
Service ships	1,779	5.9%	637	7.8%	2,416	6.3%
Specialized cargo ships	413	1.4%	156	1.9%	569	1.5%
Tugs	100	0.3%	74	0.9%	174	0.5%
Total	30,176	100%	8,122	100%	38,299	100%

Source: Equasis - ⁽¹⁾ 500≤GT<25,000 - IACS membership on 31/12/2022

Graph 66 - Total number of 25+ years old medium sized ships, by class



Graph 67 - Gross tonnage of 25+ years old medium sized ships, by class



25+ YEARS OLD LARGE SHIPS

Table 69 - Total number of 25+ years old large⁽¹⁾ ships, by type and class

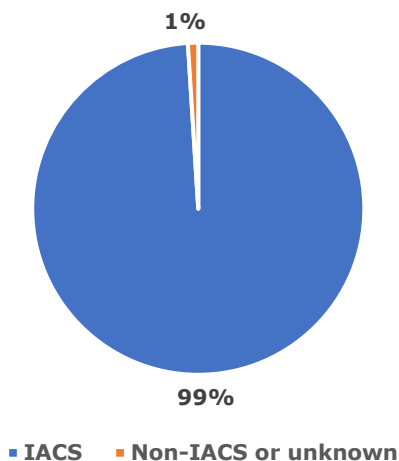
Ship type	IACS		Non-IACS or unknown		Total	
Bulk carriers	258	37.3%	5	62.5%	263	37.6%
Container ships	97	14.0%	0	0.0%	97	13.9%
Gas tankers	33	4.8%	0	0.0%	33	4.7%
General cargo ships	43	6.2%	1	12.5%	44	6.3%
Offshore vessels	42	6.1%	0	0.0%	42	6.0%
Oil and chemical tankers	44	6.4%	1	12.5%	45	6.4%
Other tankers	1	0.1%	0	0.0%	1	0.1%
Passenger ships	93	13.5%	0	0.0%	93	13.3%
Ro-ro cargo ships	42	6.1%	0	0.0%	42	6.0%
Service ships	11	1.6%	0	0.0%	11	1.6%
Specialized cargo ships	27	3.9%	1	12.5%	28	4.0%
Tugs	0	0.0%	0	0.0%	0	0.0%
Total	691	100%	8	100%	699	100%

Source: Equasis - ⁽¹⁾ 25,000≤GT<60,000 - IACS membership on 31/12/2022Table 70 - Gross tonnage (in 1000 GT) of 25+ years old large⁽¹⁾ ships, by type and class

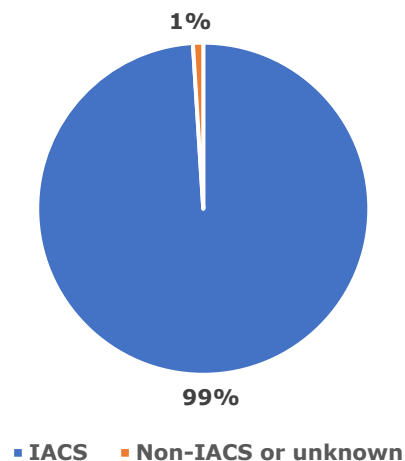
Ship type	IACS		Non-IACS or unknown		Total	
Bulk carriers	8,679	34.1%	145	60.5%	8,824	34.3%
Container ships	3,483	13.7%	0	0.0%	3,483	13.6%
Gas tankers	1,433	5.6%	0	0.0%	1,433	5.6%
General cargo ships	1,369	5.4%	38	15.9%	1,407	5.5%
Offshore vessels	2,098	8.2%	0	0.0%	2,098	8.2%
Oil and chemical tankers	1,689	6.6%	26	10.9%	1,715	6.7%
Other tankers	29	0.1%	0	0.0%	29	0.1%
Passenger ships	3,205	12.6%	0	0.0%	3,205	12.5%
Ro-ro cargo ships	2,012	7.9%	0	0.0%	2,012	7.8%
Service ships	411	1.6%	0	0.0%	411	1.6%
Specialized cargo ships	1,046	4.1%	30	12.7%	1,076	4.2%
Tugs	0	0.0%	0	0.0%	0	0.0%
Total	25,454	100%	240	100%	25,694	100%

Source: Equasis - ⁽¹⁾ 25,000≤GT<60,000 - IACS membership on 31/12/2022

Graph 68 - Total number of 25+ years old large ships, by class



Graph 69 - Gross tonnage of 25+ years old large ships, by class



25+ YEARS OLD VERY LARGE SHIPS

Table 71 - Total number of 25+ years old very large⁽¹⁾ ships, by type and class

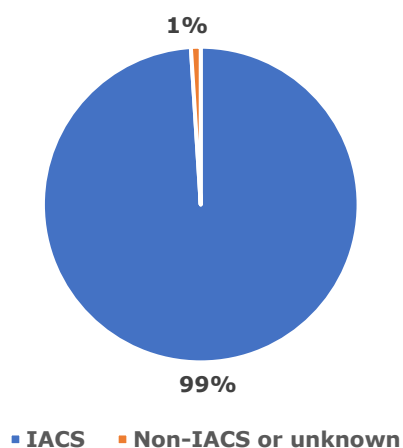
Ship type	IACS		Non-IACS or unknown		Total	
Bulk carriers	2	1.0%	0	0.0%	2	1.0%
Container ships	21	10.7%	0	0.0%	21	10.7%
Gas tankers	31	15.8%	0	0.0%	31	15.7%
General cargo ships	0	0.0%	0	0.0%	0	0.0%
Offshore vessels	99	50.5%	1	100.0%	100	50.8%
Oil and chemical tankers	10	5.1%	0	0.0%	10	5.1%
Other tankers	0	0.0%	0	0.0%	0	0.0%
Passenger ships	23	11.7%	0	0.0%	23	11.7%
Ro-ro cargo ships	7	3.6%	0	0.0%	7	3.6%
Service ships	3	1.5%	0	0.0%	3	1.5%
Specialized cargo ships	0	0.0%	0	0.0%	0	0.0%
Tugs	0	0.0%	0	0.0%	0	0.0%
Total	196	100%	1	100%	197	100%

Source: Equasis - ⁽¹⁾ GT≥60,000 - IACS membership on 31/12/2022Table 72 - Gross tonnage (in 1000 GT) of 25+ years old very large⁽¹⁾ ships, by type and class

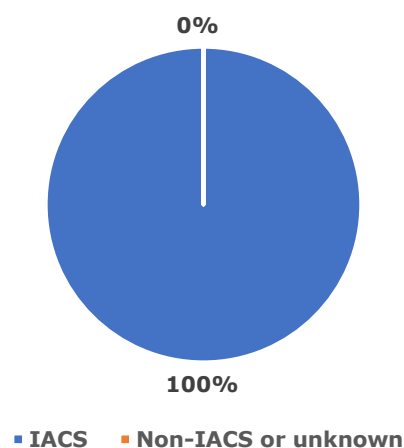
Ship type	IACS		Non-IACS or unknown		Total	
Bulk carriers	223	1.1%	0	0.0%	223	1.1%
Container ships	1,659	8.0%	0	0.0%	1,659	7.9%
Gas tankers	3,219	15.4%	0	0.0%	3,219	15.4%
General cargo ships	0	0.0%	0	0.0%	0	0.0%
Offshore vessels	12,208	58.5%	67	100.0%	12,275	58.7%
Oil and chemical tankers	926	4.4%	0	0.0%	926	4.4%
Other tankers	0	0.0%	0	0.0%	0	0.0%
Passenger ships	1,777	8.5%	0	0.0%	1,777	8.5%
Ro-ro cargo ships	485	2.3%	0	0.0%	485	2.3%
Service ships	360	1.7%	0	0.0%	360	1.7%
Specialized cargo ships	0	0.0%	0	0.0%	0	0.0%
Tugs	0	0.0%	0	0.0%	0	0.0%
Total	20,856	100%	67	100%	20,923	100%

Source: Equasis - ⁽¹⁾ GT≥60,000 - IACS membership on 31/12/2022

Graph 70 - Total number of 25+ years old very large ships, by class



Graph 71 - Gross tonnage of 25+ years old very large ships, by class



3.3. CLASS STATUS AND FLAG

WORLD FLEET GT≥500

Table 73 - World fleet GT≥500: total number of ships by type, class and flag

Ship type	Non-targeted flag					Targeted flag				
	IACS		Non-IACS or unknown		Total	IACS		Non-IACS or unknown		Total
Bulk carriers	10,921	26.5%	912	12.3%	11,833	870	16.9%	44	7.9%	914
Container ships	5,143	12.5%	233	3.1%	5,376	393	7.6%	4	0.7%	397
Gas tankers	2,035	4.9%	29	0.4%	2,064	198	3.8%	4	0.7%	202
General cargo ships	4,873	11.8%	3,066	41.2%	7,939	1,304	25.3%	351	62.9%	1,655
Offshore vessels	4,068	9.9%	180	2.4%	4,248	557	10.8%	10	1.8%	567
Oil and chemical tankers	9,270	22.5%	1,398	18.8%	10,668	679	13.2%	24	4.3%	703
Other tankers	429	1.0%	81	1.1%	510	58	1.1%	2	0.4%	60
Passenger ships	1,183	2.9%	586	7.9%	1,769	577	11.2%	17	3.0%	594
Ro-ro cargo ships	1,137	2.8%	245	3.3%	1,382	252	4.9%	20	3.6%	272
Service ships	1,371	3.3%	563	7.6%	1,934	195	3.8%	42	7.5%	237
Specialized cargo ships	257	0.6%	34	0.5%	291	16	0.3%	32	5.7%	48
Tugs	458	1.1%	108	1.5%	566	54	1.0%	8	1.4%	62
Total	41,145	100%	7,435	100%	48,580	5,153	100%	558	100%	5,711

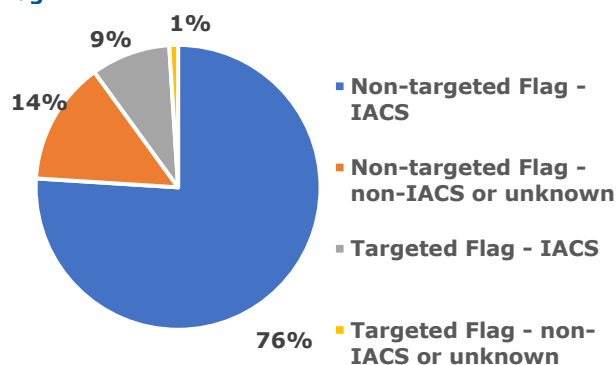
Source: Equasis - IACS membership on 31/12/2022

Table 74 - World fleet GT≥500: gross tonnage (in 1000 GT) of ships by type, class and flag

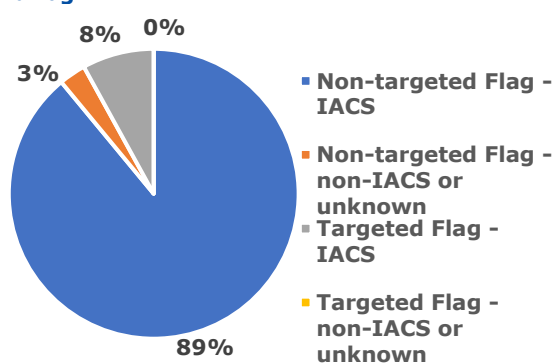
Ship type	Non-targeted flag					Targeted flag				
	IACS		Non-IACS or unknown		Total	IACS		Non-IACS or unknown		Total
Bulk carriers	490,488	34.9%	14,681	36.8%	505,169	33,405	26.5%	345	11.3%	33,751
Container ships	286,232	20.4%	3,169	7.9%	289,401	7,980	6.3%	30	1.0%	8,010
Gas tankers	92,876	6.6%	192	0.5%	93,068	13,793	10.9%	516	16.9%	14,309
General cargo ships	40,443	2.9%	9,097	22.8%	49,541	9,305	7.4%	1,151	37.7%	10,456
Offshore vessels	44,214	3.1%	1,521	3.8%	45,735	11,271	8.9%	601	19.7%	11,872
Oil and chemical tankers	367,392	26.2%	6,468	16.2%	373,860	21,188	16.8%	142	4.6%	21,330
Other tankers	2,124	0.2%	136	0.3%	2,260	190	0.2%	2	0.1%	192
Passenger ships	25,056	1.8%	2,236	5.6%	27,292	18,181	14.4%	19	0.6%	18,201
Ro-ro cargo ships	41,888	3.0%	511	1.3%	42,399	9,385	7.4%	58	1.9%	9,444
Service ships	7,769	0.6%	1,603	4.0%	9,372	1,131	0.9%	96	3.1%	1,227
Specialized cargo ships	5,217	0.4%	175	0.4%	5,392	113	0.1%	86	2.8%	199
Tugs	392	0.0%	96	0.2%	488	49	0.0%	9	0.3%	58
Total	1,404,092	100%	39,884	100%	1,443,977	125,992	100%	3,056	100%	129,048

Source: Equasis - IACS membership on 31/12/2022

Graph 72 - Total number of ships GT≥500, by class and flag



Graph 73 - Gross tonnage of ships GT≥500, by class and flag



MEDIUM SIZED SHIPS

Table 75 - Total number of medium sized⁽¹⁾ ships by type, class and flag

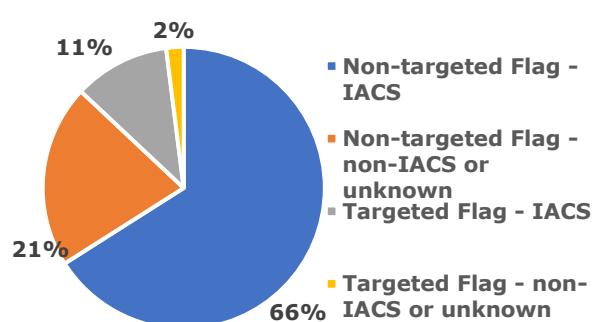
Ship type	Non-targeted flag					Targeted flag				
	IACS		Non-IACS or unknown		Total	IACS		Non-IACS or unknown		Total
Bulk carriers	2,537	11.7%	625	8.8%	3,162	365	10.3%	44	8.0%	409
Container ships	1,832	8.4%	200	2.8%	2,032	292	8.2%	4	0.7%	296
Gas tankers	972	4.5%	28	0.4%	1,000	60	1.7%	0	0.0%	60
General cargo ships	4,637	21.3%	3,065	43.4%	7,702	1,245	35.1%	351	64.1%	1,596
Offshore vessels	3,730	17.2%	170	2.4%	3,900	469	13.2%	6	1.1%	475
Oil and chemical tankers	4,292	19.7%	1,371	19.4%	5,663	356	10.0%	22	4.0%	378
Other tankers	413	1.9%	81	1.1%	494	58	1.6%	2	0.4%	60
Passenger ships	879	4.0%	585	8.3%	1,464	363	10.2%	17	3.1%	380
Ro-ro cargo ships	462	2.1%	245	3.5%	707	87	2.5%	20	3.6%	107
Service ships	1,336	6.1%	559	7.9%	1,895	186	5.2%	42	7.7%	228
Specialized cargo ships	186	0.9%	33	0.5%	219	16	0.5%	32	5.8%	48
Tugs	458	2.1%	108	1.5%	566	54	1.5%	8	1.5%	62
Total	21,734	100%	7,070	100%	28,804	3,551	100%	548	100%	4,099

Source: Equasis - ⁽¹⁾ 500≤GT<25,000 - IACS membership on 31/12/2022Table 76 - Gross tonnage (in 1000 GT) of medium sized⁽¹⁾ ships by type, class and flag

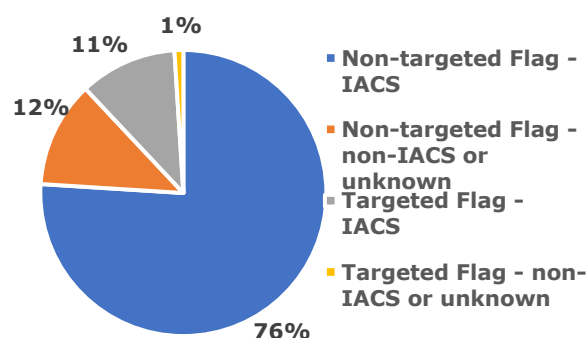
Ship type	Non-targeted flag					Targeted flag				
	IACS		Non-IACS or unknown		Total	IACS		Non-IACS or unknown		Total
Bulk carriers	43,408	24.9%	5,376	20.4%	48,784	6,696	25.5%	345	18.5%	7,041.89
Container ships	24,238	13.9%	1,962	7.4%	26,200	3,196	12.1%	30	1.6%	3,225.42
Gas tankers	7,008	4.0%	63	0.2%	7,070	530	2.0%	0	0.0%	530.13
General cargo ships	32,512	18.6%	9,059	34.3%	41,571	7,262	27.6%	1,151	61.7%	8,413.67
Offshore vessels	11,994	6.9%	506	1.9%	12,500	1,778	6.8%	13	0.7%	1,790.18
Oil and chemical tankers	35,972	20.6%	4,857	18.4%	40,829	2,462	9.4%	57	3.1%	2,519.41
Other tankers	1,659	1.0%	136	0.5%	1,794	190	0.7%	2	0.1%	192.27
Passenger ships	4,994	2.9%	2,211	8.4%	7,205	2,298	8.7%	19	1.0%	2,317.58
Ro-ro cargo ships	4,566	2.6%	511	1.9%	5,077	939	3.6%	5	3.1%	997.53
Service ships	5,647	3.2%	1,491	5.6%	7,138	790	3.0%	96	5.1%	885.97
Specialized cargo ships	2,100	1.2%	145	0.5%	2,244	113	0.4%	86	4.6%	199.24
Tugs	392	0.2%	96	0.4%	488	49	0.2%	9	0.5%	58.05
Total	174,489	100%	26,412	100%	200,901	26,304	100%	1,867	100%	28,171

Source: Equasis - ⁽¹⁾ 500≤GT<25,000 - IACS membership on 31/12/2022

Graph 74 - Total number of medium sized ships, by class and flag



Graph 75 - Gross tonnage of medium sized ships, by class and flag



LARGE SHIPS

Table 77 - Total number of large⁽¹⁾ ships by type, class and flag

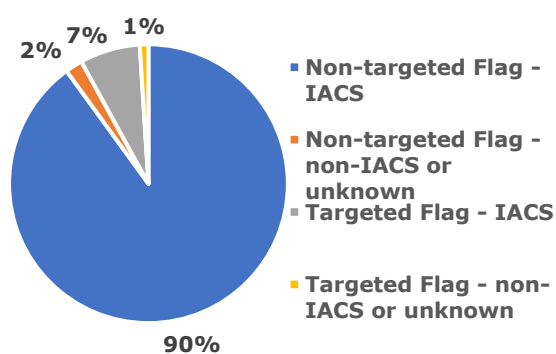
Ship type	Non-targeted flag					Targeted flag				
	IACS		Non-IACS or unknown		Total	IACS		Non-IACS or unknown		Total
Bulk carriers	6,453	52.1%	287	84.4%	6,740	401	39.2%	0	0.0%	401
Container ships	1,603	12.9%	32	9.4%	1,635	73	7.1%	0	0.0%	73
Gas tankers	476	3.8%	0	0.0%	476	41	4.0%	0	0.0%	41
General cargo ships	236	1.9%	1	0.3%	237	59	5.8%	0	0.0%	59
Offshore vessels	105	0.8%	2	0.6%	107	22	2.2%	0	0.0%	22
Oil and chemical tankers	2,799	22.6%	12	3.5%	2,811	170	16.6%	2	100.0%	172
Other tankers	16	0.1%	0	0.0%	16	0	0.0%	0	0.0%	0
Passenger ships	184	1.5%	1	0.3%	185	118	11.5%	0	0.0%	118
Ro-ro cargo ships	425	3.4%	0	0.0%	425	131	12.8%	0	0.0%	131
Service ships	28	0.2%	4	1.2%	32	8	0.8%	0	0.0%	8
Specialized cargo ships	62	0.5%	1	0.3%	63	0	0.0%	0	0.0%	0
Tugs	0	0.0%	0	0.0%	0	0	0.0%	0	0.0%	0
Total	12,387	100%	340	100%	12,727	1,023	100%	2	100%	1,025

Source: Equasis - ⁽¹⁾ 25,000 ≤ GT < 60,000 - IACS membership on 31/12/2022Table 78 - Gross tonnage (in 1000 GT) of large⁽¹⁾ ships by type, class and flag

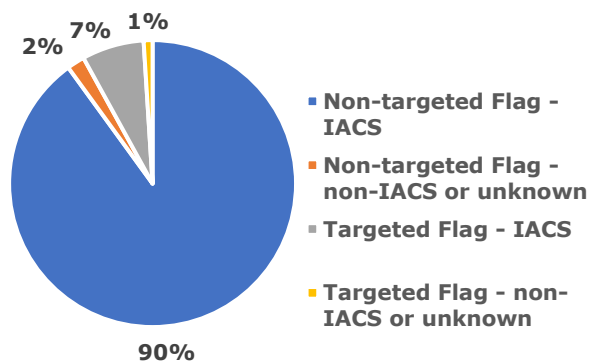
Ship type	Non-targeted flag					Targeted flag				
	IACS		Non-IACS or unknown		Total	IACS		Non-IACS or unknown		Total
Bulk carriers	244,353	52.4%	9,305	82.7%	253,658	15,906	39.9%	0	0.0%	15,906
Container ships	60,139	12.9%	1,134	10.1%	61,273	2,314	5.8%	0	0.0%	2,314
Gas tankers	20,807	4.5%	0	0.0%	20,807	1,896	4.8%	0	0.0%	1,896
General cargo ships	7,932	1.7%	38	0.3%	7,970	2,043	5.1%	0	0.0%	2,043
Offshore vessels	4,856	1.0%	78	0.7%	4,934	973	2.4%	0	0.0%	973
Oil and chemical tankers	97,382	20.9%	526	4.7%	97,908	6,081	15.3%	84	100.0%	6,165
Other tankers	465	0.1%	0	0.0%	465	0	0.0%	0	0.0%	0
Passenger ships	6,817	1.5%	25	0.2%	6,842	4,196	10.5%	0	0.0%	4,196
Ro-ro cargo ships	20,341	4.4%	0	0.0%	20,341	6,131	15.4%	0	0.0%	6,131
Service ships	1,067	0.2%	113	1.0%	1,179	280	0.7%	0	0.0%	280
Specialized cargo ships	2,464	0.5%	30	0.3%	2,494	0	0.0%	0	0.0%	0
Tugs	0	0.0%	0	0.0%	0	0	0.0%	0	0.0%	0
Total	466,622	100%	11,250	100%	477,872	39,818	100%	84	100%	39,902

Source: Equasis - ⁽¹⁾ 25,000 ≤ GT < 60,000 - IACS membership on 31/12/2022

Graph 76 - Total number of large ships, by class and flag



Graph 77 - Gross tonnage of large ships, by class and flag



VERY LARGE SHIPS

Table 79 - Total number of very large⁽¹⁾ ships by type, class and flag

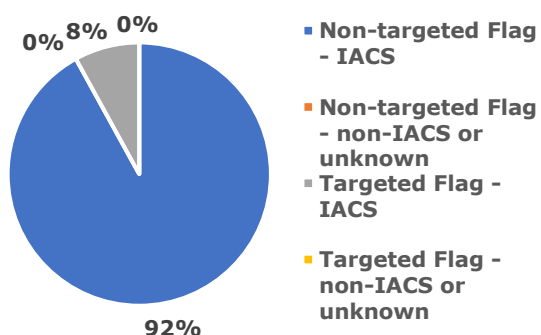
Ship type	Non-targeted flag					Targeted flag				
	IACS		Non-IACS or unknown		Total	IACS		Non-IACS or unknown		Total
Bulk carriers	1,931	27.5%	0	0.0%	1,931	104	18.0%	0	0.0%	104
Container ships	1,708	24.3%	1	4.0%	1,709	28	4.8%	0	0.0%	28
Gas tankers	587	8.4%	1	4.0%	588	97	16.8%	4	50.0%	101
General cargo ships	0	0.0%	0	0.0%	0	0	0.0%	0	0.0%	0
Offshore vessels	233	3.3%	8	32.0%	241	66	11.4%	4	50.0%	70
Oil and chemical tankers	2,179	31.0%	15	60.0%	2,194	153	26.4%	0	0.0%	153
Other tankers	0	0.0%	0	0.0%	0	0	0.0%	0	0.0%	0
Passenger ships	120	1.7%	0	0.0%	120	96	16.6%	0	0.0%	96
Ro-ro cargo ships	250	3.6%	0	0.0%	250	34	5.9%	0	0.0%	34
Service ships	7	0.1%	0	0.0%	7	1	0.2%	0	0.0%	1
Specialized cargo ships	9	0.1%	0	0.0%	9	0	0.0%	0	0.0%	0
Tugs	0	0.0%	0	0.0%	0	0	0.0%	0	0.0%	0
Total	7,024	100%	25	100%	7,049	579	100%	8	100%	587

Source: Equasis - ⁽¹⁾ GT≥60,000 - IACS membership on 31/12/2022Table 80 - Gross tonnage (in 1000 GT) of very large⁽¹⁾ ships by type, class and flag

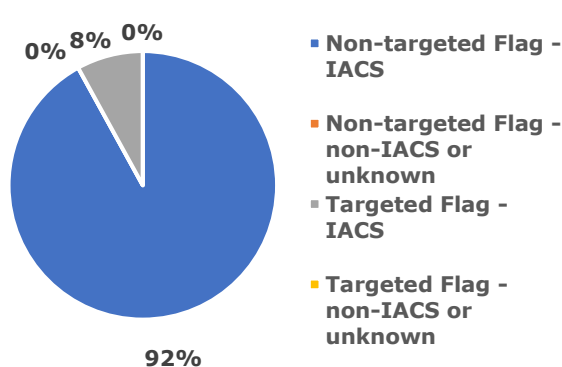
Ship type	Non-targeted flag					Targeted flag				
	IACS		Non-IACS or unknown		Total	IACS		Non-IACS or unknown		Total
Bulk carriers	202,728	26.6%	0	0.0%	202,728	10,803	18.0%	0	0.0%	10,803
Container ships	201,855	26.5%	73	3.3%	201,928	2,471	4.1%	0	0.0%	2,471
Gas tankers	65,061	8.5%	129	5.8%	65,190	11,368	19.0%	516	46.7%	11,883
General cargo ships	0	0.0%	0	0.0%	0	0	0.0%	0	0.0%	0
Offshore vessels	27,364	3.6%	937	42.2%	28,301	8,521	14.2%	589	53.3%	9,109
Oil and chemical tankers	234,038	30.7%	1,084	48.8%	235,122	12,645	21.1%	0	0.0%	12,645
Other tankers	0	0.0%	0	0.0%	0	0	0.0%	0	0.0%	0
Passenger ships	13,245	1.7%	0	0.0%	13,245	11,687	19.5%	0	0.0%	11,687
Ro-ro cargo ships	16,981	2.2%	0	0.0%	16,981	2,316	3.9%	0	0.0%	2,316
Service ships	1,055	0.1%	0	0.0%	1,055	61	0.1%	0	0.0%	61
Specialized cargo ships	654	0.1%	0	0.0%	654	0	0.0%	0	0.0%	0
Tugs	0	0.0%	0	0.0%	0	0	0.0%	0	0.0%	0
Total	762,982	100%	2,222	100%	765,204	59,870	100%	1,104	100%	60,975

Source: Equasis - ⁽¹⁾ GT≥60,000 - IACS membership on 31/12/2022

Graph 78 - Total number of very large ships, by class and flag



Graph 79 - Gross tonnage of very large ships, by class and flag



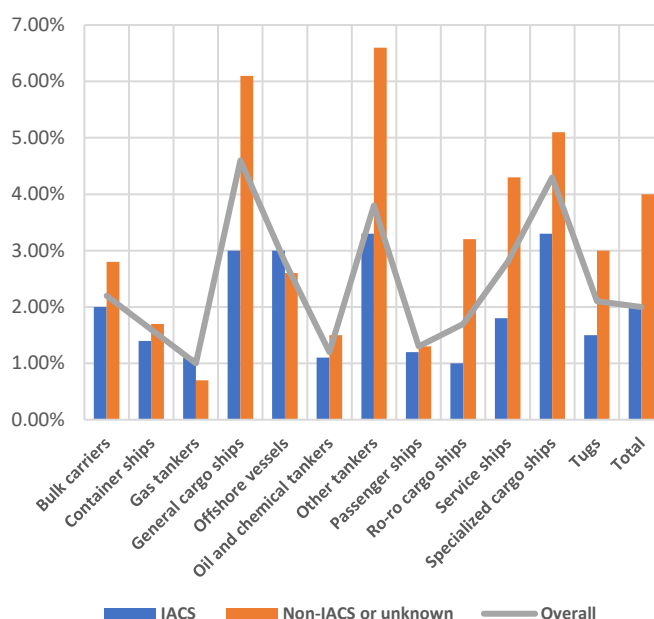
3.4. SAFETY PERFORMANCE

WORLD FLEET GT≥500

Table 81 - World fleet GT≥500 detention rates^(*), by type and class - 2022

Ship type	IACS	Non-IACS or unknown	Overall
Bulk carriers	2.0%	2.8%	2.2%
Container ships	1.4%	1.7%	1.6%
Gas tankers	1.1%	0.7%	1.0%
General cargo ships	3.0%	6.1%	4.6%
Offshore vessels	3.0%	2.6%	2.8%
Oil and chemical tankers	1.1%	1.5%	1.2%
Other tankers	3.3%	6.6%	3.8%
Passenger ships	1.2%	1.3%	1.3%
Ro-ro cargo ships	1.0%	3.2%	1.7%
Service ships	1.8%	4.3%	2.8%
Specialized cargo ships	3.3%	5.1%	4.3%
Tugs	1.5%	3.0%	2.1%
Total	2%	4%	2%

Source: Equasis - IACS membership on 31/12/2022 - (*) Detentions in PSC regimes providers to Equasis divided by total number of inspections

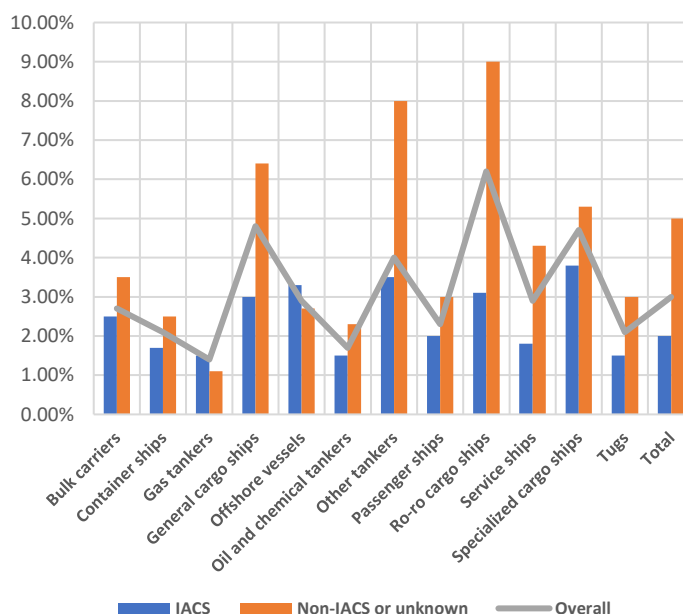
Graph 80 - World fleet GT≥500 detention rates^(*), by type and class - 2022

MEDIUM SIZED SHIPS

Table 82 - Medium sized⁽¹⁾ ships detention rates^(*), by type and class - 2022

Ship type	IACS	Non-IACS or unknown	Overall
Bulk carriers	2.5%	3.5%	2.7%
Container ships	1.7%	2.5%	2.1%
Gas tankers	1.5%	1.1%	1.4%
General cargo ships	3.0%	6.4%	4.8%
Offshore vessels	3.3%	2.7%	2.9%
Oil and chemical tankers	1.5%	2.3%	1.7%
Other tankers	3.5%	8.0%	4.0%
Passenger ships	2.0%	3.0%	2.3%
Ro-ro cargo ships	3.1%	9.0%	6.2%
Service ships	1.8%	4.3%	2.9%
Specialized cargo ships	3.8%	5.3%	4.7%
Tugs	1.5%	3.0%	2.1%
Total	2%	5%	3%

Source: Equasis - ⁽¹⁾ 500≤GT<25,000 - IACS membership on 31/12/2022 - (*) Detentions in PSC regimes providers to Equasis divided by total number of inspections

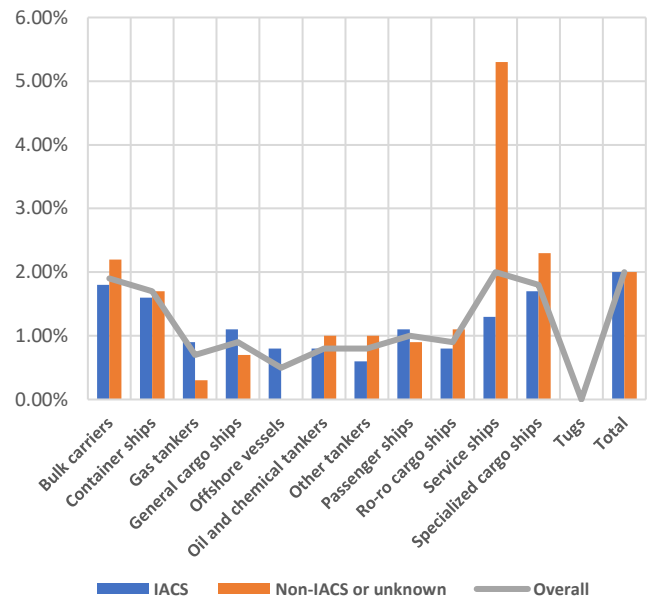
Graph 81 - Medium sized⁽¹⁾ ships detention rates^(*), by type and class - 2022

LARGE SHIPS

Table 83 - Large⁽¹⁾ ships detention rates^(*), by type and class - 2022

Ship type	IACS	Non-IACS or unknown	Overall
Bulk carriers	1.8%	2.2%	1.9%
Container ships	1.6%	1.7%	1.7%
Gas tankers	0.9%	0.3%	0.7%
General cargo ships	1.1%	0.7%	0.9%
Offshore vessels	0.8%	0.0%	0.5%
Oil and chemical tankers	0.8%	1.0%	0.8%
Other tankers	0.6%	1.0%	0.8%
Passenger ships	1.1%	0.9%	1.0%
Ro-ro cargo ships	0.8%	1.1%	0.9%
Service ships	1.3%	5.3%	2.0%
Specialized cargo ships	1.7%	2.3%	1.8%
Tugs	Na	Na	Na
Total	2%	2%	2%

Source: Equasis - ⁽¹⁾ 25,000 ≤ GT < 60,000 - IACS membership on 31/12/2022 - ^(*) Detentions in PSC regimes providers to Equasis divided by total number of inspections

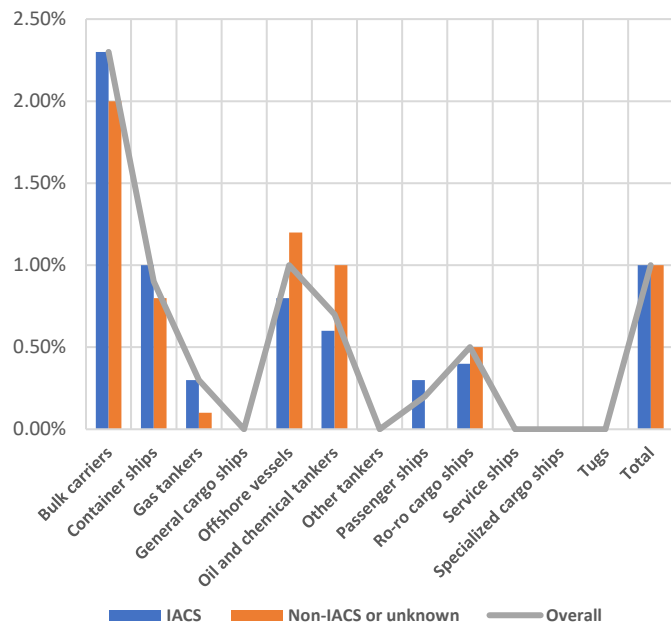
Graph 82 - Large⁽¹⁾ ships detention rates^(*), by type and class – 2022

VERY LARGE SHIPS

Table 84 - Very large⁽¹⁾ ships detention rates^(*), by type and class –2022

Ship type	IACS	Non-IACS or unknown	Overall
Bulk carriers	2.3%	2.0%	2.3%
Container ships	1.0%	0.8%	0.9%
Gas tankers	0.3%	0.1%	0.3%
General cargo ships	Na	Na	Na
Offshore vessels	0.8%	1.2%	1.0%
Oil and chemical tankers	0.6%	1.0%	0.7%
Other tankers	Na	Na	Na
Passenger ships	0.3%	0.0%	0.2%
Ro-ro cargo ships	0.4%	0.5%	0.5%
Service ships	0.0%	Na	0.0%
Specialized cargo ships	0.0%	0.0%	0.0%
Tugs	Na	Na	Na
Total	1%	1%	1%

Source: Equasis - ⁽¹⁾ GT ≥ 60,000 - IACS membership on 31/12/2022 - ^(*) Detentions in PSC regimes providers to Equasis divided by total number of inspections

Graph 83 - Very large⁽¹⁾ ships detention rates^(*), by type and class –2022

Chapter 4

4. P&I Clubs and Insurance Companies

INTRODUCTION

Protection and Indemnity (P&I) Clubs provide third-party insurance cover to ship owners.

Fourteen P&I Clubs provided to Equasis information on vessels with IMO numbers insured by them in 2022.

The list of P&I companies currently providing data to Equasis are:

1. American Steamship Owners Mutual Protection and Indemnity Association, Inc (the American Club),
2. Assuranceforeningen Gard – Norway,
3. Assuranceforeningen Skuld – Norway,
4. Britannia Steam Ship Insurance Association Limited (The),
5. Hydor AS,
6. The Japan Ship Owners' Mutual Protection & Indemnity Association,
7. The London Steam-Ship Owners' Mutual Insurance Association Limited,
8. North of England P&I,
9. The Shipowners' Mutual Protection & Indemnity Association (Luxembourg),
10. The Standard Club Ltd,
11. The Steamship Mutual Underwriting Association (Bermuda) Limited,
12. The Swedish Club,
13. United Kingdom Mutual Steam Ship Assurance Association (Bermuda) Limited, and
14. The West of England Ship Owners Mutual Insurance Association (Luxembourg).

Some of the Clubs have since affiliated and reinsured subsidiary associations. Accordingly, thirteen of the above listed P&I Clubs together comprise the International Group (IG P&I) and between them provide marine liability cover for approximately 90% of the world's cargo carrying tonnage.

There is a significant number of small ships of less than 100 GT entered in the IGP&I data in Equasis but, as explained in Chapter 1, small ships are not included in this chapter.

The following tables show the proportion of the fleet, in each ship size and ship type, which is registered with the Clubs part of the IGP&I (column headed IGP&I), compared to the proportion of ships (column headed Non-IGP&I) which are either:

- insured with a club which is not a member of the IGP&I,
- covered by commercial insurance for which information is not available,
- not covered by P&I insurance.

In Chapter 4.4 the fleet is analysed according to P&I and flag State status. Flag States are grouped in two categories, targeted and non-targeted, as in previous chapters.

In Chapter 4.5 the detention rate of ships is the ratio between the number of detentions and the number of inspections by the PSC regimes providing data to Equasis (see Chapter 5).

RESULTS

Graph 84 indicates that for vessels ≥ 500 GT in Equasis, for which data was supplied, 56% were covered by one of the members of the IG P&I. This rises to 88% by tonnage, a figure remaining the same as in the previous year.

Fishing vessels (82%), General Cargo Ships (68%), Service Ships (73%) and Passenger Ships (61%) are the ship types for which there is a larger percentage of their fleet not covered by IGP&I.

Graphs 88, 89, 90 and 91 show that 91% of the large ships and 94% of the very large ship size categories were covered by the members of the IG P&I. Within the medium sized ship category (Graph 86) less than half (41%) were covered by number, which equates to 65% in tonnage (Graph 87).

The comparison between Graph 92 and Graph 100 reveals that the age profile of ships covered by the members of the IGP&I is considerably younger than those which are not. Graph 92 shows that 13% of the IGP&I fleet is under 5 years, 48% between 5 and 14 years and only 11% is over 25 years old. In contrast, non-IGP&I ships are in its majority more than 25 years old.

In Table 93 it can be noted that within the younger fleet (0-4 years of age) of IGP&I ships there are mostly bulk carriers (33.3%) and oil and chemical tankers (25.5%) representing respectively 82% and 77% the younger fleet of those ship types when compared with the figures in Sub-Chapter 2.2. Those are mostly large bulk carriers and large or very large tankers as shown in Tables 97 and Table 99.

For non-IGP&I ships in Table 101 it is shown that within that younger fleet (0-4 years of age) there are mostly fishing vessels (21.7%), general cargo ships (16.3%) and oil and chemical tankers (14.3%), representing respectively 83%, 60% and 23% of the younger fleet of those ship types when compared with Sub-Chapter 2.2.

Sub-Chapter 4.4 shows that both for targeted and non-targeted flags most of their ships are covered by IGP&I particularly the very large ones. In addition, Graph 108 shows that at least half of the fleet is both flying the flag of a non-targeted State and covered by IGP&I.

Table 117 shows that ships insured by companies outside the IGP&I had a higher detention rate in 2022 compared to those covered by IGP&I (6% compared to 2%, respectively).

4.1. P&I STATUS

WORLD FLEET GT≥500

Table 85 - P&I world fleet GT≥500 status: total number of ships, by type

Ship type	IG P&I		Non-IG P&I		Total	
Bulk carriers	10,542	27.4%	2,399	8.0%	12,941	18.8%
Container ships	5,004	13.0%	713	2.4%	5,717	8.3%
Fishing vessels	1,038	2.7%	4,773	15.8%	5,811	8.5%
Gas tankers	1,799	4.7%	477	1.6%	2,276	3.3%
General cargo ships	3,975	10.3%	8,494	28.2%	12,469	18.1%
Offshore vessels	3,437	8.9%	2,101	7.0%	5,538	8.1%
Oil and chemical tankers	8,267	21.5%	4,364	14.5%	12,631	18.4%
Other tankers	354	0.9%	438	1.5%	792	1.2%
Passenger ships	1,329	3.4%	2,120	7.0%	3,449	5.0%
Ro-ro cargo ships	1,142	3.0%	799	2.6%	1,941	2.8%
Service ships	1,024	2.7%	2,832	9.4%	3,856	5.6%
Specialized cargo ships	202	0.5%	157	0.5%	359	0.5%
Tugs	416	1.1%	504	1.7%	920	1.3%
Total	38,529	100%	30,171	100%	68,700	100%

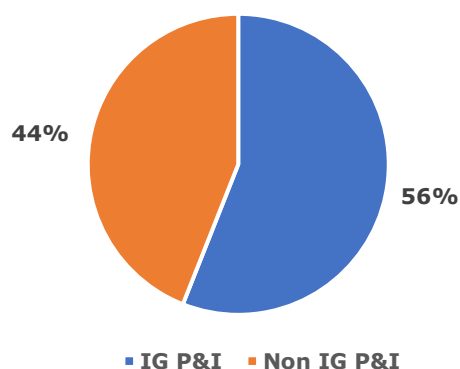
Source: Equasis

Table 86 - P&I world fleet GT≥500 status: gross tonnage (in 1000 GT) of ships, by type

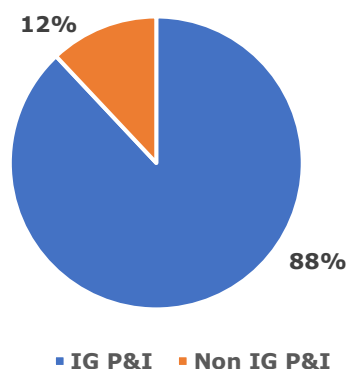
Ship type	IG P&I		Non-IG P&I		Total	
Bulk carriers	484,295	35.6%	39,419	21.6%	523,714	33.9%
Container ships	267,655	19.7%	12,811	7.0%	280,465	18.2%
Fishing vessels	2,166	0.2%	6,019	3.3%	8,185	0.5%
Gas tankers	92,905	6.8%	4,976	2.7%	97,881	6.3%
General cargo ships	39,374	2.9%	26,167	14.4%	65,541	4.2%
Offshore vessels	47,313	3.5%	11,467	6.3%	58,780	3.8%
Oil and chemical tankers	328,002	24.1%	59,733	32.8%	387,734	25.1%
Other tankers	1,950	0.1%	754	0.4%	2,704	0.2%
Passenger ships	38,838	2.9%	7,385	4.1%	46,223	3.0%
Ro-ro cargo ships	47,236	3.5%	4,470	2.5%	51,706	3.4%
Service ships	6,474	0.5%	7,203	4.0%	13,678	0.9%
Specialized cargo ships	4,331	0.3%	1,294	0.7%	5,625	0.4%
Tugs	372	0.0%	412	0.2%	784	0.1%
Total	1,360,912	100%	182,110	100%	1,543,022	100%

Source: Equasis

Graph 84 - Number of ships GT≥500, by P&I status



Graph 85 - Gross tonnage of ships GT≥500, by P&I status



MEDIUM SIZED SHIPS

Table 87 - P&I status : total number of medium sized⁽¹⁾ ships, by type

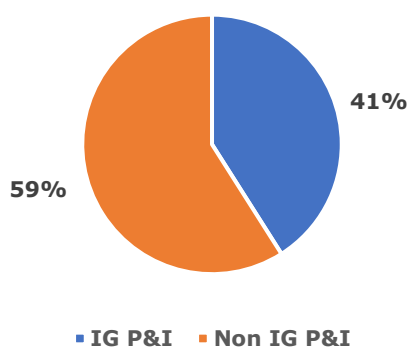
Ship type	IG P&I		Non-IG P&I		Total	
Bulk carriers	2,202	11.3%	1,699	6.0%	3,901	8.1%
Container ships	1,802	9.3%	607	2.1%	2,409	5.0%
Fishing vessels	1,037	5.3%	4,769	16.7%	5,806	12.1%
Gas tankers	767	3.9%	415	1.5%	1,182	2.5%
General cargo ships	3,696	19.0%	8,485	29.8%	12,181	25.4%
Offshore vessels	3,087	15.9%	2,010	7.1%	5,097	10.6%
Oil and chemical tankers	3,790	19.5%	3,723	13.1%	7,513	15.7%
Other tankers	340	1.7%	436	1.5%	776	1.6%
Passenger ships	851	4.4%	2,094	7.4%	2,945	6.1%
Ro-ro cargo ships	338	1.7%	773	2.7%	1,111	2.3%
Service ships	988	5.1%	2,822	9.9%	3,810	7.9%
Specialized cargo ships	140	0.7%	147	0.5%	287	0.6%
Tugs	416	2.1%	504	1.8%	920	1.9%
Total	19,454	100%	28,484	100%	47,938	100%

Source: Equasis - ⁽¹⁾ 500≤GT<25,000Table 88 - P&I status : gross tonnage (in 1000 GT) of medium sized⁽¹⁾ ships, by type

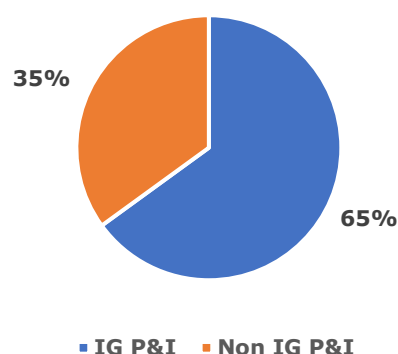
Ship type	IG P&I		Non-IG P&I		Total	
Bulk carriers	41,278	25.0%	15,115	17.2%	56,393	22.3%
Container ships	24,267	14.7%	4,950	5.6%	29,217	11.5%
Fishing vessels	2,137	1.3%	5,835	6.6%	7,972	3.1%
Gas tankers	6,396	3.9%	1,246	1.4%	7,643	3.0%
General cargo ships	29,932	18.1%	25,905	29.5%	55,836	22.0%
Offshore vessels	10,954	6.6%	4,038	4.6%	14,992	5.9%
Oil and chemical tankers	33,350	20.2%	12,546	14.3%	45,896	18.1%
Other tankers	1,540	0.9%	698	0.8%	2,238	0.9%
Passenger ships	5,503	3.3%	6,365	7.2%	11,868	4.7%
Ro-ro cargo ships	3,506	2.1%	3,254	3.7%	6,760	2.7%
Service ships	4,466	2.7%	6,780	7.7%	11,247	4.4%
Specialized cargo ships	1,692	1.0%	797	0.9%	2,489	1.0%
Tugs	372	0.2%	412	0.5%	784	0.3%
Total	165,395	100%	87,941	100%	253,336	100%

Source: Equasis - ⁽¹⁾ 500≤GT<25,000

Graph 86 - Number of medium sized ships, by P&I status



Graph 87 - Gross tonnage of medium sized ships, by P&I status



LARGE SHIPS

Table 89 - P&I status : total number of large⁽¹⁾ ships, by type

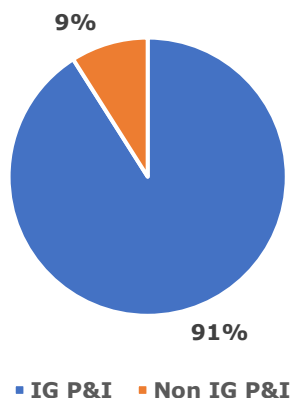
Ship type	IG P&I		Non-IG P&I		Total	
Bulk carriers	6,416	52.5%	687	55.4%	7,103	52.7%
Container ships	1,615	13.2%	69	5.6%	1,684	12.5%
Fishing vessels	1	0.0%	3	0.2%	4	0.0%
Gas tankers	427	3.5%	48	3.9%	475	3.5%
General cargo ships	279	2.3%	9	0.7%	288	2.1%
Offshore vessels	88	0.7%	34	2.7%	122	0.9%
Oil and chemical tankers	2,504	20.5%	323	26.0%	2,827	21.0%
Other tankers	14	0.1%	2	0.2%	16	0.1%
Passenger ships	274	2.2%	25	2.0%	299	2.2%
Ro-ro cargo ships	528	4.3%	25	2.0%	553	4.1%
Service ships	29	0.2%	9	0.7%	38	0.3%
Specialized cargo ships	57	0.5%	6	0.5%	63	0.5%
Tugs	0	0.0%	0	0.0%	0	0.0%
Total	12,232	100%	1,240	100%	13,472	100%

Source: Equasis - ⁽¹⁾ 25,000≤GT<60,000Table 90 - P&I status : gross tonnage (in 1000 GT) of large⁽¹⁾ ships, by type

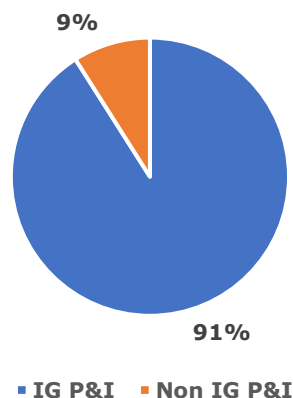
Ship type	IG P&I		Non-IG P&I		Total	
Bulk carriers	244,421	53.0%	23,130	50.8%	267,551	52.8%
Container ships	60,294	13.1%	2,371	5.2%	62,665	12.4%
Fishing vessels	28	0.0%	114	0.2%	142	0.0%
Gas tankers	18,576	4.0%	2,153	4.7%	20,729	4.1%
General cargo ships	9,442	2.0%	263	0.6%	9,705	1.9%
Offshore vessels	3,995	0.9%	1,584	3.5%	5,578	1.1%
Oil and chemical tankers	85,504	18.5%	13,309	29.2%	98,813	19.5%
Other tankers	410	0.1%	56	0.1%	465	0.1%
Passenger ships	10,048	2.2%	843	1.9%	10,891	2.1%
Ro-ro cargo ships	25,141	5.5%	1,143	2.5%	26,284	5.2%
Service ships	1,039	0.2%	352	0.8%	1,391	0.3%
Specialized cargo ships	2,255	0.5%	228	0.5%	2,482	0.5%
Tugs	0	0.0%	0	0.0%	0	0.0%
Total	461,152	100%	45,545	100%	506,697	100%

Source: Equasis - ⁽¹⁾ 25,000≤GT<60,000

Graph 88 - Number of large ships, by P&I status



Graph 89 - Gross tonnage of large ships, by P&I status



VERY LARGE SHIPS

Table 91 - P&I status : total number of very large⁽¹⁾ ships, by type

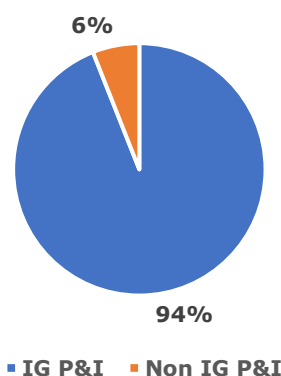
Ship type	IG P&I		Non-IG P&I		Total	
Bulk carriers	1,924	28.1%	13	2.9%	1,937	26.6%
Container ships	1,587	23.2%	37	8.3%	1,624	22.3%
Fishing vessels	0	0.0%	1	0.2%	1	0.0%
Gas tankers	605	8.8%	14	3.1%	619	8.5%
General cargo ships	0	0.0%	0	0.0%	0	0.0%
Offshore vessels	262	3.8%	57	12.8%	319	4.4%
Oil and chemical tankers	1,973	28.8%	318	71.1%	2,291	31.4%
Other tankers	0	0.0%	0	0.0%	0	0.0%
Passenger ships	204	3.0%	1	0.2%	205	2.8%
Ro-ro cargo ships	276	4.0%	1	0.2%	277	3.8%
Service ships	7	0.1%	1	0.2%	8	0.1%
Specialized cargo ships	5	0.1%	4	0.9%	9	0.1%
Tugs	0	0.0%	0	0.0%	0	0.0%
Total	6,843	100%	447	100%	7,290	100%

Source: Equasis - ⁽¹⁾ GT≥60,000Table 92 - P&I status : gross tonnage (in 1000 GT) of very large⁽¹⁾ ships, by type

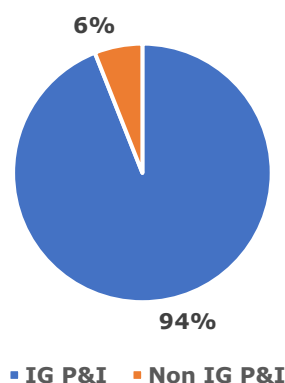
Ship type	IG P&I		Non-IG P&I		Total	
Bulk carriers	198,597	27.0%	1,174	2.4%	199,770	25.5%
Container ships	183,094	24.9%	5,490	11.3%	188,584	24.1%
Fishing vessels	0	0.0%	71	0.1%	71	0.0%
Gas tankers	67,933	9.3%	1,577	3.2%	69,509	8.9%
General cargo ships	0	0.0%	0	0.0%	0	0.0%
Offshore vessels	32,364	4.4%	5,845	12.0%	38,209	4.9%
Oil and chemical tankers	209,148	28.5%	33,878	69.7%	243,026	31.0%
Other tankers	0	0.0%	0	0.0%	0	0.0%
Passenger ships	23,287	3.2%	177	0.4%	23,464	3.0%
Ro-ro cargo ships	18,589	2.5%	72	0.1%	18,662	2.4%
Service ships	969	0.1%	71	0.1%	1,040	0.1%
Specialized cargo ships	384	0.1%	270	0.6%	654	0.1%
Tugs	0	0.0%	0	0.0%	0	0.0%
Total	734,365	100%	48,624	100%	782,990	100%

Source: Equasis - ⁽¹⁾ GT≥60,000

Graph 90 - Number of very large ships, by P&I status



Graph 91 - Gross tonnage of very large ships, by P&I status



4.2. IGP&I AND AGE

WORLD FLEET GT≥500

Table 93 - IGP&I world fleet GT≥500 : total number of ships, by type and age

Ship type	0-4 years old		5-14 years old		15-24 years old		+25 years old		Total	
Bulk carriers	1,619	33.3%	6,502	35.1%	1,996	18.5%	425	9.8%	10,542	27.4%
Container ships	618	12.7%	1,863	10.0%	2,143	19.8%	380	8.8%	5,004	13.0%
Fishing vessels	114	2.3%	203	1.1%	191	1.8%	530	12.3%	1,038	2.7%
Gas tankers	369	7.6%	809	4.4%	472	4.4%	149	3.4%	1,799	4.7%
General cargo ships	288	5.9%	1,653	8.9%	1,171	10.8%	863	20.0%	3,975	10.3%
Offshore vessels	199	4.1%	2,099	11.3%	825	7.6%	314	7.3%	3,437	8.9%
Oil and chemical tankers	1,239	25.5%	3,783	20.4%	2,805	26.0%	440	10.2%	8,267	21.5%
Other tankers	29	0.6%	217	1.2%	64	0.6%	44	1.0%	354	0.9%
Passenger ships	168	3.5%	237	1.3%	386	3.6%	538	12.5%	1,329	3.4%
Ro-ro cargo ships	91	1.9%	497	2.7%	417	3.9%	137	3.2%	1,142	3.0%
Service ships	62	1.3%	381	2.1%	213	2.0%	368	8.5%	1,024	2.7%
Specialized cargo ships	33	0.7%	103	0.6%	33	0.3%	33	0.8%	202	0.5%
Tugs	26	0.5%	203	1.1%	89	0.8%	98	2.3%	416	1.1%
Total	4,855	100%	18,550	100%	10,805	100%	4,319	100%	38,529	100%

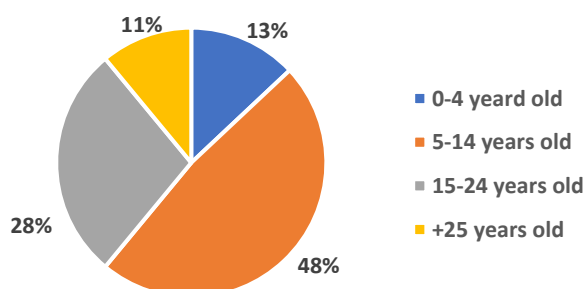
Source: Equasis

Table 94 - IGP&I whole fleet GT≥500: gross tonnage (in 1000 GT) of ships, by type and age

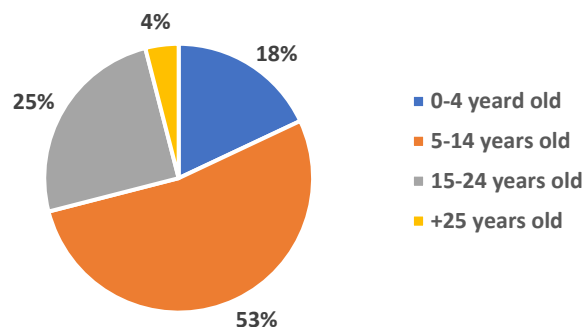
Ship type	0-4 years old		5-14 years old		15-24 years old		+25 years old		Total	
Bulk carriers	87,545	36.1%	304,889	42.1%	81,600	24.4%	10,261	17.3%	484,295	35.6%
Container ships	42,695	17.6%	134,488	18.6%	82,201	24.6%	8,271	13.9%	267,655	19.7%
Fishing vessels	359	0.1%	472	0.1%	360	0.1%	975	1.6%	2,166	0.2%
Gas tankers	24,878	10.3%	39,734	5.5%	24,214	7.2%	4,079	6.9%	92,905	6.8%
General cargo ships	3,774	1.6%	21,295	2.9%	9,472	2.8%	4,833	8.1%	39,374	2.9%
Offshore vessels	4,418	1.8%	16,370	2.3%	12,760	3.8%	13,764	23.2%	47,313	3.5%
Oil and chemical tankers	65,929	27.2%	168,278	23.2%	90,350	27.0%	3,445	5.8%	328,002	24.1%
Other tankers	179	0.1%	1,292	0.2%	377	0.1%	102	0.2%	1,950	0.1%
Passenger ships	7,731	3.2%	10,622	1.5%	13,094	3.9%	7,390	12.5%	38,838	2.9%
Ro-ro cargo ships	3,655	1.5%	22,360	3.1%	17,839	5.3%	3,382	5.7%	47,236	3.5%
Service ships	711	0.3%	2,354	0.3%	1,576	0.5%	1,833	3.1%	6,474	0.5%
Specialized cargo ships	797	0.3%	1,969	0.3%	632	0.2%	933	1.6%	4,331	0.3%
Tugs	27	0.0%	187	0.0%	78	0.0%	80	0.1%	372	0.0%
Total	242,699	100%	724,312	100%	334,553	100%	59,347	100%	1,360,912	100%

Source: Equasis

Graph 92 - IGP&I world fleet GT≥500, by age



Graph 93 - Gross tonnage of IGP&I world fleet GT≥500, by age



MEDIUM SIZED SHIPS

Table 95 - IGP&I : total number of medium sized⁽¹⁾ ships, by type and age

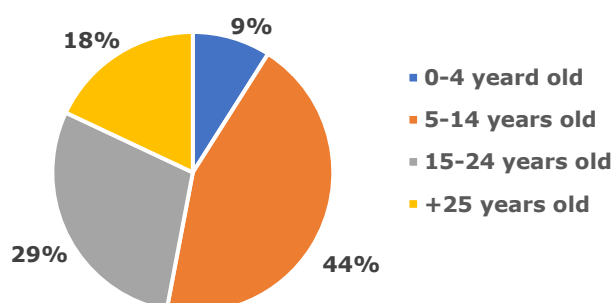
Ship type	0-4 years old		5-14 years old		15-24 years old		+25 years old		Total	
Bulk carriers	195	11.3%	1,385	16.3%	405	7.1%	217	6.1%	2,202	11.3%
Container ships	251	14.6%	430	5.1%	855	15.1%	266	7.4%	1,802	9.3%
Fishing vessels	113	6.6%	203	2.4%	191	3.4%	530	14.8%	1,037	5.3%
Gas tankers	85	4.9%	365	4.3%	210	3.7%	107	3.0%	767	3.9%
General cargo ships	249	14.5%	1,496	17.6%	1,127	19.9%	824	23.1%	3,696	19.0%
Offshore vessels	173	10.1%	1,990	23.4%	733	12.9%	191	5.3%	3,087	15.9%
Oil and chemical tankers	398	23.1%	1,526	18.0%	1,464	25.8%	402	11.3%	3,790	19.5%
Other tankers	28	1.6%	208	2.4%	60	1.1%	44	1.2%	340	1.7%
Passenger ships	92	5.3%	129	1.5%	195	3.4%	435	12.2%	851	4.4%
Ro-ro cargo ships	32	1.9%	108	1.3%	108	1.9%	90	2.5%	338	1.7%
Service ships	54	3.1%	371	4.4%	206	3.6%	357	10.0%	988	5.1%
Specialized cargo ships	25	1.5%	79	0.9%	25	0.4%	11	0.3%	140	0.7%
Tugs	26	1.5%	203	2.4%	89	1.6%	98	2.7%	416	2.1%
Total	1,721	100%	8,493	100%	5,668	100%	3,572	100%	19,454	100%

Source: Equasis - ⁽¹⁾ 500≤GT<25,000Table 96 - IGP&I : gross tonnage (in 1000 GT) of medium sized⁽¹⁾ ships, by type and age

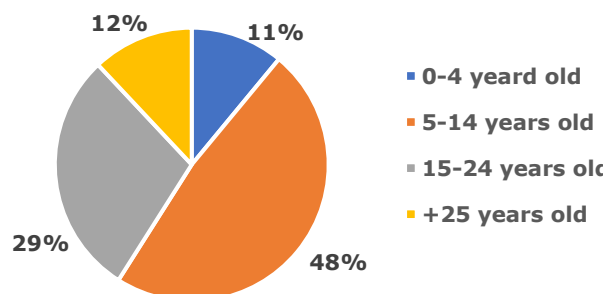
Ship type	0-4 years old		5-14 years old		15-24 years old		+25 years old		Total	
Bulk carriers	3,990	22.3%	27,759	34.7%	6,676	13.8%	2,853	14.8%	41,278	25.0%
Container ships	4,069	22.8%	5,969	7.5%	10,896	22.6%	3,333	17.3%	24,267	14.7%
Fishing vessels	331	1.8%	472	0.6%	360	0.7%	975	5.1%	2,137	1.3%
Gas tankers	737	4.1%	3,538	4.4%	1,637	3.4%	485	2.5%	6,396	3.9%
General cargo ships	2,259	12.6%	16,044	20.1%	8,053	16.7%	3,575	18.6%	29,932	18.1%
Offshore vessels	764	4.3%	7,504	9.4%	2,078	4.3%	608	3.2%	10,954	6.6%
Oil and chemical tankers	3,852	21.5%	13,572	17.0%	13,990	29.0%	1,935	10.1%	33,350	20.2%
Other tankers	153	0.9%	1,036	1.3%	250	0.5%	102	0.5%	1,540	0.9%
Passenger ships	749	4.2%	590	0.7%	1,282	2.7%	2,882	15.0%	5,503	3.3%
Ro-ro cargo ships	161	0.9%	785	1.0%	1,576	3.3%	984	5.1%	3,506	2.1%
Service ships	405	2.3%	1,632	2.0%	1,110	2.3%	1,320	6.9%	4,466	2.7%
Specialized cargo ships	381	2.1%	909	1.1%	307	0.6%	95	0.5%	1,692	1.0%
Tugs	27	0.1%	187	0.2%	78	0.2%	80	0.4%	372	0.2%
Total	17,878	100%	79,998	100%	48,292	100%	19,226	100%	165,395	100%

Source: Equasis - ⁽¹⁾ 500≤GT<25,000

Graph 94 - IGP&I medium sized ships, by age



Graph 95 - Gross tonnage of IGP&I medium sized ships, by age



LARGE SHIPS

Table 97 - IGP&I : total number of large⁽¹⁾ ships, by type and age

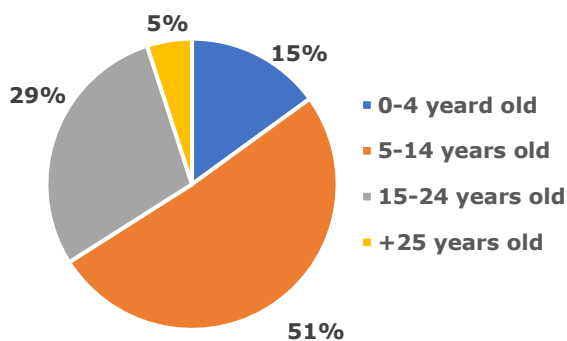
Ship type	0-4 years old		5-14 years old		15-24 years old		+25 years old		Total	
Bulk carriers	1,082	58.8%	3,838	61.1%	1,290	36.5%	206	36.1%	6,416	52.5%
Container ships	162	8.8%	579	9.2%	780	22.1%	94	16.5%	1,615	13.2%
Fishing vessels	1	0.1%	0	0.0%	0	0.0%	0	0.0%	1	0.0%
Gas tankers	118	6.4%	209	3.3%	87	2.5%	13	2.3%	427	3.5%
General cargo ships	39	2.1%	157	2.5%	44	1.2%	39	6.8%	279	2.3%
Offshore vessels	0	0.0%	37	0.6%	21	0.6%	30	5.3%	88	0.7%
Oil and chemical tankers	362	19.7%	1,147	18.2%	960	27.1%	35	6.1%	2,504	20.5%
Other tankers	1	0.1%	9	0.1%	4	0.1%	0	0.0%	14	0.1%
Passenger ships	41	2.2%	43	0.7%	108	3.1%	82	14.4%	274	2.2%
Ro-ro cargo ships	20	1.1%	237	3.8%	231	6.5%	40	7.0%	528	4.3%
Service ships	8	0.4%	9	0.1%	3	0.1%	9	1.6%	29	0.2%
Specialized cargo ships	6	0.3%	21	0.3%	8	0.2%	22	3.9%	57	0.5%
Tugs	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Total	1,840	100%	6,286	100%	3,536	100%	570	100%	12,232	100%

Source: Equasis - ⁽¹⁾ 25,000≤GT<60,000Table 98 - IGP&I : gross tonnage (in 1000 GT) of large⁽¹⁾ ships, by type and age

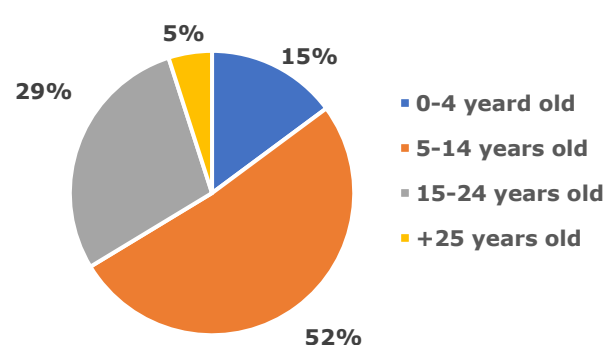
Ship type	0-4 years old		5-14 years old		15-24 years old		+25 years old		Total	
Bulk carriers	43,473	62.3%	146,953	61.7%	46,810	35.5%	7,185	34.0%	244,421	53.0%
Container ships	5,105	7.3%	23,033	9.7%	28,784	21.8%	3,372	15.9%	60,294	13.1%
Fishing vessels	28	0.0%	0	0.0%	0	0.0%	0	0.0%	28	0.0%
Gas tankers	5,293	7.6%	8,942	3.8%	3,772	2.9%	568	2.7%	18,576	4.0%
General cargo ships	1,515	2.2%	5,251	2.2%	1,418	1.1%	1,257	5.9%	9,442	2.0%
Offshore vessels	0	0.0%	1,562	0.7%	877	0.7%	1,555	7.3%	3,995	0.9%
Oil and chemical tankers	11,234	16.1%	38,454	16.1%	34,528	26.2%	1,287	6.1%	85,504	18.5%
Other tankers	26	0.0%	256	0.1%	128	0.1%	0	0.0%	410	0.1%
Passenger ships	1,720	2.5%	1,659	0.7%	3,790	2.9%	2,879	13.6%	10,048	2.2%
Ro-ro cargo ships	851	1.2%	11,101	4.7%	11,276	8.6%	1,913	9.0%	25,141	5.5%
Service ships	306	0.4%	318	0.1%	113	0.1%	302	1.4%	1,039	0.2%
Specialized cargo ships	270	0.4%	822	0.3%	325	0.2%	837	4.0%	2,255	0.5%
Tugs	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Total	69,822	100%	238,353	100%	131,822	100%	21,155	100%	461,152	100%

Source: Equasis - ⁽¹⁾ 25,000≤GT<60,000

Graph 96 - IGP&I large ships, by age



Graph 97 - Gross tonnage of IGP&I large ships, by age



VERY LARGE SHIPS

Table 99 - IGP&I : total number of very large⁽¹⁾ ships, by type and age

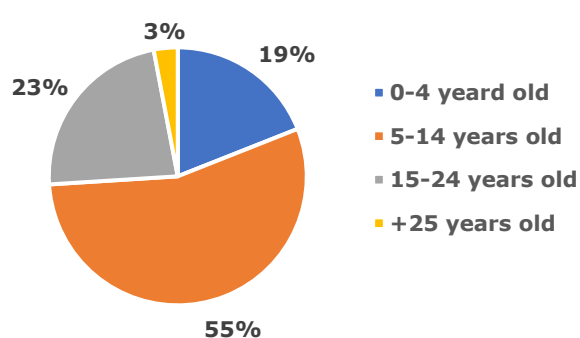
Ship type	0-4 years old		5-14 years old		15-24 years old		+25 years old		Total	
Bulk carriers	342	26.4%	1,279	33.9%	301	18.8%	2	1.1%	1,924	28.1%
Container ships	205	15.8%	854	22.6%	508	31.7%	20	11.3%	1,587	23.2%
Fishing vessels	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Gas tankers	166	12.8%	235	6.2%	175	10.9%	29	16.4%	605	8.8%
General cargo ships	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Offshore vessels	26	2.0%	72	1.9%	71	4.4%	93	52.5%	262	3.8%
Oil and chemical tankers	479	37.0%	1,110	29.4%	381	23.8%	3	1.7%	1,973	28.8%
Other tankers	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Passenger ships	35	2.7%	65	1.7%	83	5.2%	21	11.9%	204	3.0%
Ro-ro cargo ships	39	3.0%	152	4.0%	78	4.9%	7	4.0%	276	4.0%
Service ships	0	0.0%	1	0.0%	4	0.2%	2	1.1%	7	0.1%
Specialized cargo ships	2	0.2%	3	0.1%	0	0.0%	0	0.0%	5	0.1%
Tugs	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Total	1,294	100%	3,771	100%	1,601	100%	177	100%	6,843	100%

Source: Equasis - ⁽¹⁾ GT≥60,000Table 100 - IGP&I : gross tonnage (in 1000 GT) of very large⁽¹⁾ ships, by type and age

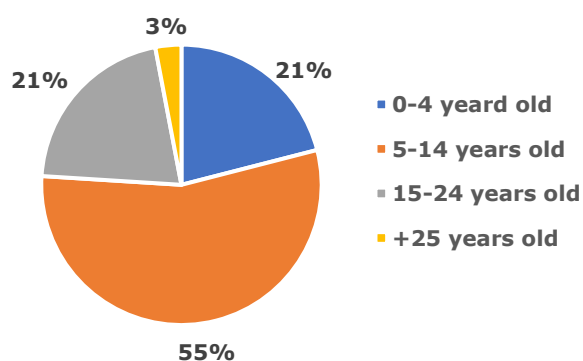
Ship type	0-4 years old		5-14 years old		15-24 years old		+25 years old		Total	
Bulk carriers	40,082	25.9%	130,177	32.1%	28,114	18.2%	223	1.2%	198,597	27.0%
Container ships	33,521	21.6%	105,485	26.0%	42,521	27.5%	1,567	8.3%	183,094	24.9%
Fishing vessels	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Gas tankers	18,848	12.2%	27,254	6.7%	18,805	12.2%	3,026	16.0%	67,933	9.3%
General cargo ships	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Offshore vessels	3,654	2.4%	7,305	1.8%	9,804	6.3%	11,601	61.2%	32,364	4.4%
Oil and chemical tankers	50,842	32.8%	116,252	28.6%	41,831	27.1%	224	1.2%	209,148	28.5%
Other tankers	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Passenger ships	5,263	3.4%	8,373	2.1%	8,022	5.2%	1,629	8.6%	23,287	3.2%
Ro-ro cargo ships	2,643	1.7%	10,474	2.6%	4,987	3.2%	485	2.6%	18,589	2.5%
Service ships	0	0.0%	403	0.1%	354	0.2%	212	1.1%	969	0.1%
Specialized cargo ships	146	0.1%	237	0.1%	0	0.0%	0	0.0%	384	0.1%
Tugs	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Total	154,999	100%	405,961	100%	154,439	100%	18,966	100%	734,365	100%

Source: Equasis - ⁽¹⁾ GT≥60,000

Graph 98 - IGP&I very large ships, by age



Graph 99 - Gross tonnage of IGP&I very large ships, by age



4.3. NON-IGP&I AND AGE

WORLD FLEET GT≥500

Table 101 - Non IGP&I world fleet GT≥500: total number of ships, by type and age

Ship type	0-4 years old		5-14 years old		15-24 years old		+25 years old		Total	
Bulk carriers	362	13.8%	901	13.3%	510	9.6%	626	4.1%	2,399	8.0%
Container ships	150	5.7%	189	2.8%	158	3.0%	216	1.4%	713	2.4%
Fishing vessels	569	21.7%	981	14.4%	451	8.5%	2,772	18.0%	4,773	15.8%
Gas tankers	71	2.7%	72	1.1%	84	1.6%	250	1.6%	477	1.6%
General cargo ships	429	16.3%	1,408	20.7%	1,662	31.2%	4,995	32.4%	8,494	28.2%
Offshore vessels	95	3.6%	573	8.4%	426	8.0%	1,007	6.5%	2,101	7.0%
Oil and chemical tankers	374	14.3%	1,015	14.9%	1,067	20.0%	1,908	12.4%	4,364	14.5%
Other tankers	28	1.1%	99	1.5%	43	0.8%	268	1.7%	438	1.5%
Passenger ships	225	8.6%	491	7.2%	346	6.5%	1,058	6.9%	2,120	7.0%
Ro-ro cargo ships	67	2.6%	267	3.9%	157	2.9%	308	2.0%	799	2.6%
Service ships	217	8.3%	699	10.3%	376	7.1%	1,540	10.0%	2,832	9.4%
Specialized cargo ships	10	0.4%	22	0.3%	6	0.1%	119	0.8%	157	0.5%
Tugs	27	1.0%	83	1.2%	46	0.9%	348	2.3%	504	1.7%
Total	2,624	100%	6,800	100%	5,332	100%	15,415	100%	30,171	100%

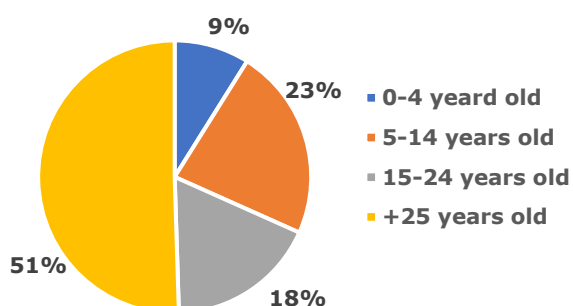
Source: Equasis

Table 102 - Non IGP&I world fleet GT≥500: gross tonnage (in 1000 GT) of ships, by type and age

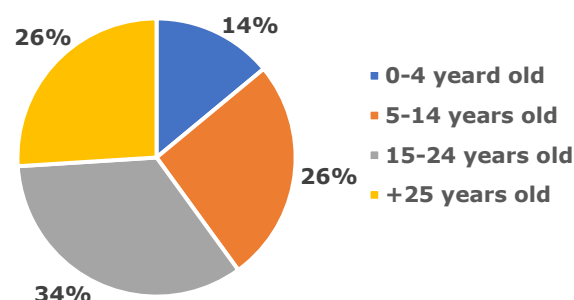
Ship type	0-4 years old		5-14 years old		15-24 years old		+25 years old		Total	
Bulk carriers	7,746	30.1%	15,282	32.0%	9,293	15.1%	7,098	15.0%	39,419	21.6%
Container ships	6,089	23.6%	3,162	6.6%	2,125	3.5%	1,435	3.0%	12,811	7.0%
Fishing vessels	976	3.8%	1,244	2.6%	478	0.8%	3,322	7.0%	6,019	3.3%
Gas tankers	1,187	4.6%	1,055	2.2%	1,063	1.7%	1,671	3.5%	4,976	2.7%
General cargo ships	1,718	6.7%	4,990	10.4%	6,089	9.9%	13,371	28.3%	26,167	14.4%
Offshore vessels	864	3.4%	4,609	9.6%	2,575	4.2%	3,418	7.2%	11,467	6.3%
Oil and chemical tankers	4,512	17.5%	11,441	23.9%	36,095	58.8%	7,685	16.3%	59,733	32.8%
Other tankers	52	0.2%	188	0.4%	141	0.2%	372	0.8%	754	0.4%
Passenger ships	1,096	4.3%	2,096	4.4%	1,096	1.8%	3,098	6.6%	7,385	4.1%
Ro-ro cargo ships	425	1.6%	1,139	2.4%	1,363	2.2%	1,542	3.3%	4,470	2.5%
Service ships	874	3.4%	2,268	4.7%	956	1.6%	3,105	6.6%	7,203	4.0%
Specialized cargo ships	191	0.7%	262	0.5%	47	0.1%	793	1.7%	1,294	0.7%
Tugs	27	0.1%	69	0.1%	38	0.1%	277	0.6%	412	0.2%
Total	25,758	100%	47,806	100%	61,358	100%	47,188	100%	182,110	100%

Source: Equasis

Graph 100 -Non IGP&I world fleet GT≥500, by age



Graph 101 -Gross tonnage of non IGP&I world fleet GT≥500, by age



MEDIUM SIZED SHIPS

Table 103 - Non IGP&I : total number of medium sized⁽¹⁾ ships, by type and age

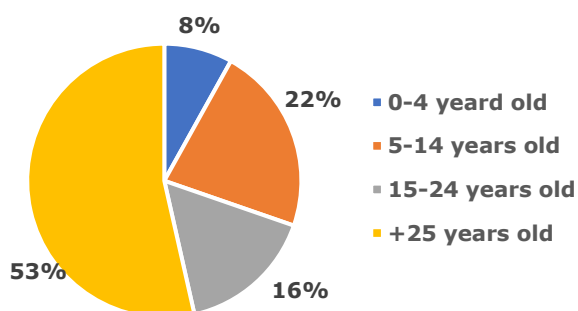
Ship type	0-4 years old		5-14 years old		15-24 years old		+25 years old		Total	
Bulk carriers	216	9.1%	637	10.1%	317	6.9%	529	3.5%	1,699	6.0%
Container ships	106	4.5%	158	2.5%	132	2.9%	211	1.4%	607	2.1%
Fishing vessels	568	24.0%	981	15.5%	451	9.8%	2,769	18.2%	4,769	16.7%
Gas tankers	57	2.4%	61	1.0%	69	1.5%	228	1.5%	415	1.5%
General cargo ships	429	18.1%	1,407	22.2%	1,660	36.0%	4,989	32.9%	8,485	29.8%
Offshore vessels	89	3.8%	532	8.4%	410	8.9%	979	6.4%	2,010	7.1%
Oil and chemical tankers	336	14.2%	912	14.4%	614	13.3%	1,861	12.3%	3,723	13.1%
Other tankers	28	1.2%	99	1.6%	42	0.9%	267	1.8%	436	1.5%
Passenger ships	220	9.3%	484	7.6%	343	7.4%	1,047	6.9%	2,094	7.4%
Ro-ro cargo ships	67	2.8%	259	4.1%	142	3.1%	305	2.0%	773	2.7%
Service ships	213	9.0%	696	11.0%	376	8.2%	1,537	10.1%	2,822	9.9%
Specialized cargo ships	8	0.3%	20	0.3%	6	0.1%	113	0.7%	147	0.5%
Tugs	27	1.1%	83	1.3%	46	1.0%	348	2.3%	504	1.8%
Total	2,364	100%	6,329	100%	4,608	100%	15,183	100%	28,484	100%

Source: Equasis - ⁽¹⁾ 500≤GT<25,000Table 104 - Non IGP&I : gross tonnage (in 1000 GT) of medium size⁽¹⁾ ships, by type and age

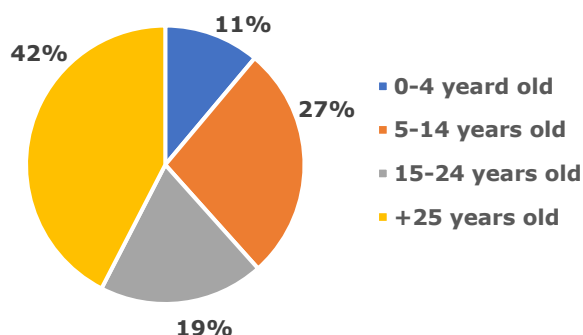
Ship type	0-4 years old		5-14 years old		15-24 years old		+25 years old		Total	
Bulk carriers	1,947	19.3%	6,443	26.7%	2,616	15.3%	4,109	11.2%	15,115	17.2%
Container ships	1,486	14.7%	1,278	5.3%	932	5.4%	1,254	3.4%	4,950	5.6%
Fishing vessels	905	9.0%	1,244	5.2%	478	2.8%	3,208	8.8%	5,835	6.6%
Gas tankers	157	1.6%	116	0.5%	253	1.5%	721	2.0%	1,246	1.4%
General cargo ships	1,718	17.0%	4,959	20.6%	6,035	35.2%	13,193	36.0%	25,905	29.5%
Offshore vessels	301	3.0%	1,446	6.0%	876	5.1%	1,415	3.9%	4,038	4.6%
Oil and chemical tankers	1,510	15.0%	3,430	14.2%	3,164	18.5%	4,442	12.1%	12,546	14.3%
Other tankers	52	0.5%	188	0.8%	114	0.7%	344	0.9%	698	0.8%
Passenger ships	750	7.4%	1,862	7.7%	1,001	5.8%	2,752	7.5%	6,365	7.2%
Ro-ro cargo ships	425	4.2%	784	3.3%	628	3.7%	1,417	3.9%	3,254	3.7%
Service ships	751	7.4%	2,148	8.9%	956	5.6%	2,926	8.0%	6,780	7.7%
Specialized cargo ships	55	0.5%	129	0.5%	47	0.3%	566	1.5%	797	0.9%
Tugs	27	0.3%	69	0.3%	38	0.2%	277	0.8%	412	0.5%
Total	10,084	100%	24,095	100%	17,138	100%	36,625	100%	87,941	100%

Source: Equasis - ⁽¹⁾ 500≤GT<25,000

Graph 102 -Non IGP&I medium sized ships, by age



Graph 103 -Gross tonnage of non IGP&I medium sized ships, by age



LARGE SHIPS

Table 105 - Non IGP&I : total number of large⁽¹⁾ ships, by type and age

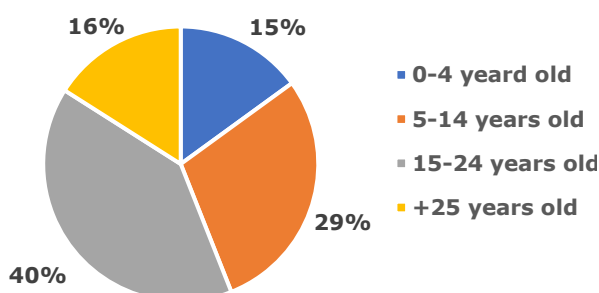
Ship type	0-4 years old		5-14 years old		15-24 years old		+25 years old		Total	
Bulk carriers	137	72.1%	262	72.0%	192	39.2%	96	49.0%	687	55.4%
Container ships	25	13.2%	20	5.5%	19	3.9%	5	2.6%	69	5.6%
Fishing vessels	0	0.0%	0	0.0%	0	0.0%	3	1.5%	3	0.2%
Gas tankers	7	3.7%	6	1.6%	13	2.7%	22	11.2%	48	3.9%
General cargo ships	0	0.0%	1	0.3%	2	0.4%	6	3.1%	9	0.7%
Offshore vessels	2	1.1%	16	4.4%	2	0.4%	14	7.1%	34	2.7%
Oil and chemical tankers	11	5.8%	42	11.5%	243	49.6%	27	13.8%	323	26.0%
Other tankers	0	0.0%	0	0.0%	1	0.2%	1	0.5%	2	0.2%
Passenger ships	4	2.1%	7	1.9%	3	0.6%	11	5.6%	25	2.0%
Ro-ro cargo ships	0	0.0%	7	1.9%	15	3.1%	3	1.5%	25	2.0%
Service ships	4	2.1%	3	0.8%	0	0.0%	2	1.0%	9	0.7%
Specialized cargo ships	0	0.0%	0	0.0%	0	0.0%	6	3.1%	6	0.5%
Tugs	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Total	190	100%	364	100%	490	100%	196	100%	1,240	100%

Source: Equasis - ⁽¹⁾ 25,000≤GT<60,000Table 106 - Non IGP&I : gross tonnage (in 1000 GT) of large⁽¹⁾ ships, by type and age

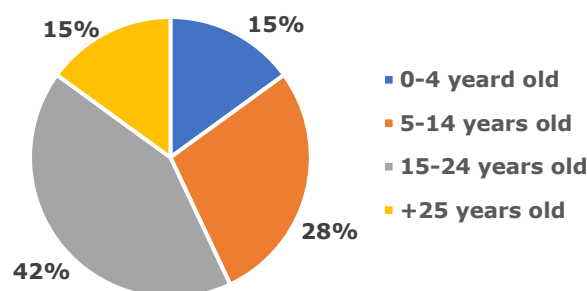
Ship type	0-4 years old		5-14 years old		15-24 years old		+25 years old		Total	
Bulk carriers	4,982	71.4%	8,637	68.0%	6,586	34.6%	2,925	43.0%	23,130	50.8%
Container ships	958	13.7%	627	4.9%	605	3.2%	181	2.7%	2,371	5.2%
Fishing vessels	0	0.0%	0	0.0%	0	0.0%	113	1.7%	113	0.2%
Gas tankers	307	4.4%	282	2.2%	613	3.2%	950	14.0%	2,153	4.7%
General cargo ships	0	0.0%	31	0.2%	54	0.3%	178	2.6%	263	0.6%
Offshore vessels	77	1.1%	808	6.4%	99	0.5%	600	8.8%	1,584	3.5%
Oil and chemical tankers	360	5.2%	1,678	13.2%	10,247	53.8%	1,024	15.0%	13,309	29.2%
Other tankers	0	0.0%	0	0.0%	27	0.1%	29	0.4%	56	0.1%
Passenger ships	169	2.4%	234	1.8%	95	0.5%	346	5.1%	843	1.9%
Ro-ro cargo ships	0	0.0%	283	2.2%	735	3.9%	125	1.8%	1,143	2.5%
Service ships	123	1.8%	120	0.9%	0	0.0%	109	1.6%	352	0.8%
Specialized cargo ships	0	0.0%	0	0.0%	0	0.0%	228	3.3%	228	0.5%
Tugs	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Total	6,975	100%	12,700	100%	19,062	100%	6,808	100%	45,545	100%

Source: Equasis - ⁽¹⁾ 25,000≤GT<60,000

Graph 104 -Non IGP&I large ships, by age



Graph 105 -Gross tonnage of non IGP&I large ships, by age



VERY LARGE SHIPS

Table 107 - Non IGP&I : total number of very large⁽¹⁾ ships, by type and age

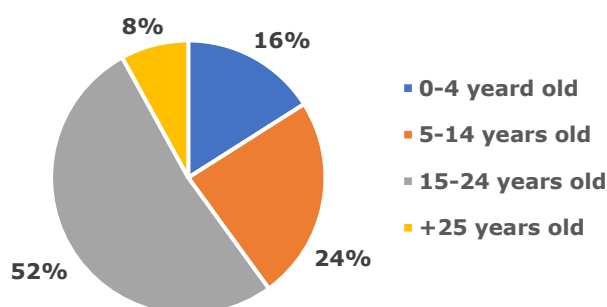
Ship type	0-4 years old		5-14 years old		15-24 years old		+25 years old		Total	
Bulk carriers	9	12.9%	2	1.9%	1	0.4%	1	2.8%	13	2.9%
Container ships	19	27.1%	11	10.3%	7	3.0%	0	0.0%	37	8.3%
Fishing vessels	1	1.4%	0	0.0%	0	0.0%	0	0.0%	1	0.2%
Gas tankers	7	10.0%	5	4.7%	2	0.9%	0	0.0%	14	3.1%
General cargo ships	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Offshore vessels	4	5.7%	25	23.4%	14	6.0%	14	38.9%	57	12.8%
Oil and chemical tankers	27	38.6%	61	57.0%	210	89.7%	20	55.6%	318	71.1%
Other tankers	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Passenger ships	1	1.4%	0	0.0%	0	0.0%	0	0.0%	1	0.2%
Ro-ro cargo ships	0	0.0%	1	0.9%	0	0.0%	0	0.0%	1	0.2%
Service ships	0	0.0%	0	0.0%	0	0.0%	1	2.8%	1	0.2%
Specialized cargo ships	2	2.9%	2	1.9%	0	0.0%	0	0.0%	4	0.9%
Tugs	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Total	70	100%	107	100%	234	100%	36	100%	447	100%

Source: Equasis - ⁽¹⁾ GT≥60,000Table 108 - Non IGP&I : gross tonnage (in 1000 GT) of very large⁽¹⁾ ships, by type and age

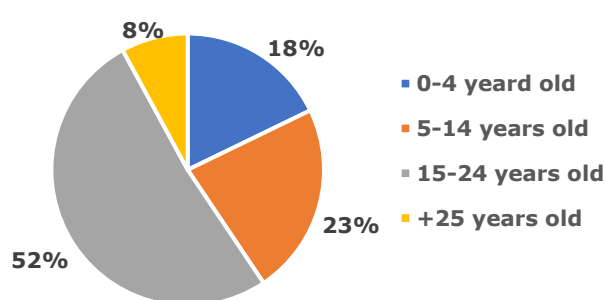
Ship type	0-4 years old		5-14 years old		15-24 years old		+25 years old		Total	
Bulk carriers	818	9.4%	202	1.8%	90	0.4%	64	1.7%	1,174	2.4%
Container ships	3,646	41.9%	1,257	11.4%	588	2.3%	0	0.0%	5,490	11.3%
Fishing vessels	71	0.8%	0	0.0%	0	0.0%	0	0.0%	70.71	0.1%
Gas tankers	723	8.3%	657	6.0%	197	0.8%	0	0.0%	1,577	3.2%
General cargo ships	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Offshore vessels	487	5.6%	2,356	21.4%	1,600	6.4%	1,402	37.3%	5,845	12.0%
Oil and chemical tankers	2,642	30.4%	6,332	57.5%	22,684	90.2%	2,219	59.1%	33,878	69.7%
Other tankers	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Passenger ships	177	2.0%	0	0.0%	0	0.0%	0	0.0%	177	0.4%
Ro-ro cargo ships	0	0.0%	72	0.7%	0	0.0%	0	0.0%	72	0.1%
Service ships	0	0.0%	0	0.0%	0	0.0%	71	1.9%	71	0.1%
Specialized cargo ships	136	1.6%	134	1.2%	0	0.0%	0	0.0%	270	0.6%
Tugs	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Total	8,699	100%	11,011	100%	25,159	100%	3,756	100%	48,624	100%

Source: Equasis - ⁽¹⁾ GT≥60,000

Graph 106 -Non IGP&I very large ships, by age



Graph 107 -Gross tonnage of non IGP&I very large ships, by age



4.4. P&I AND FLAG

WORLD FLEET GT≥500

Table 109 - P&I world fleet GT≥500 status : total number of ships, by type and flag

Ship type	Non-targeted flag					Targeted flag				
	IGP&I		Non-IGP&I		Total	IGP&I		Non-IG P&I		Total
Bulk carriers	9,789	28.4%	2,267	8.1%	12,056	753	18.8%	132	5.6%	885
Container ships	4,664	13.5%	661	2.4%	5,325	340	8.5%	52	2.2%	392
Fishing vessels	990	2.9%	4,647	16.7%	5,637	48	1.2%	126	5.4%	174
Gas tankers	1,608	4.7%	460	1.7%	2,068	191	4.8%	17	0.7%	208
General cargo ships	3,209	9.3%	7,467	26.8%	10,676	766	19.1%	1,027	43.9%	1,793
Offshore vessels	2,964	8.6%	1,959	7.0%	4,923	473	11.8%	142	6.1%	615
Oil and chemical tankers	7,688	22.3%	4,138	14.9%	11,826	579	14.4%	226	9.7%	805
Other tankers	323	0.9%	391	1.4%	714	31	0.8%	47	2.0%	78
Passenger ships	913	2.6%	1,874	6.7%	2,787	416	10.4%	246	10.5%	662
Ro-ro cargo ships	920	2.7%	737	2.6%	1,657	222	5.5%	62	2.6%	284
Service ships	886	2.6%	2,652	9.5%	3,538	138	3.4%	180	7.7%	318
Specialized cargo ships	199	0.6%	108	0.4%	307	3	0.1%	49	2.1%	52
Tugs	364	1.1%	470	1.7%	834	52	1.3%	34	1.5%	86
Total	34,517	100%	27,831	100%	62,348	4,012	100%	2,340	100%	6,352

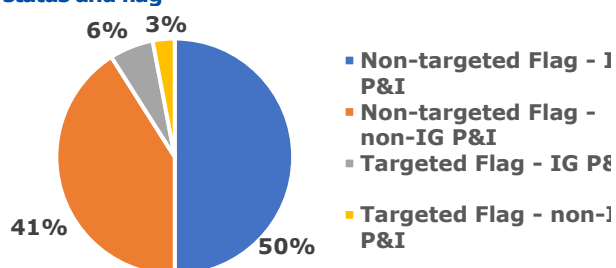
Source: Equasis

Table 110 - P&I world fleet GT≥500 status : gross tonnage (in 1000 GT) of ships, by type and flag

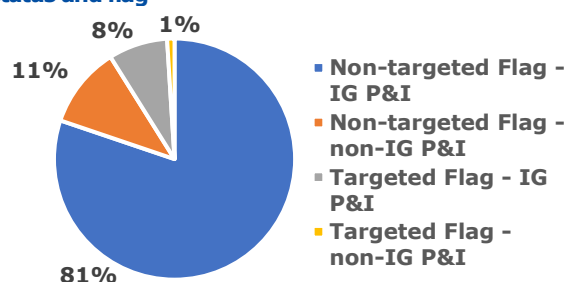
Ship type	Non-targeted flag					Targeted flag				
	IGP&I		Non-IGP&I		Total	IGP&I		Non-IG P&I		Total
Bulk carriers	453,269	36.4%	37,849	22.3%	491,118	31,026	26.4%	1,570	12.6%	32,596
Container ships	260,410	20.9%	12,449	7.3%	272,859	7,245	6.2%	362	2.9%	7,607
Fishing vessels	2,067	0.2%	5,863	3.5%	7,929	99	0.1%	157	1.3%	256
Gas tankers	78,813	6.3%	4,645	2.7%	83,458	14,092	12.0%	331	2.7%	14,423
General cargo ships	32,225	2.6%	22,757	13.4%	54,983	7,148	6.1%	3,410	27.4%	10,559
Offshore vessels	36,652	2.9%	10,053	5.9%	46,705	10,661	9.1%	1,414	11.4%	12,075
Oil and chemical tankers	308,142	24.8%	56,182	33.1%	364,324	19,860	16.9%	3,551	28.5%	23,411
Other tankers	1,788	0.1%	698	0.4%	2,486	161	0.1%	56	0.5%	218
Passenger ships	21,953	1.8%	6,638	3.9%	28,591	16,885	14.4%	747	6.0%	17,632
Ro-ro cargo ships	38,140	3.1%	4,166	2.5%	42,306	9,097	7.8%	304	2.4%	9,400
Service ships	5,492	0.4%	6,858	4.0%	12,350	982	0.8%	346	2.8%	1,328
Specialized cargo ships	4,283	0.3%	1,130	0.7%	5,413	48	0.0%	164	1.3%	212
Tugs	321	0.0%	382	0.2%	703	51	0.0%	30	0.2%	81
Total	1,243,555	100%	169,669	100%	1,413,224	117,356	100%	12,441	100%	129,797

Source: Equasis

Graph 108 -Total number of ships GT≥500, by P&I status and flag



Graph 109 -Gross tonnage of ships GT≥500, by P&I status and flag



MEDIUM SIZED SHIPS

Table 111 - P&I status : total number of medium sized⁽¹⁾ ships, by type and flag

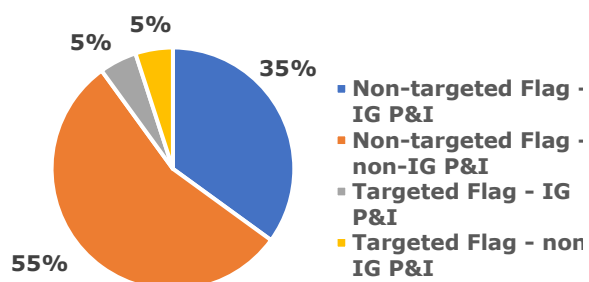
Ship type	Non-targeted flag					Targeted flag				
	IGP&I		Non-IGP&I		Total	IGP&I		Non-IG P&I		Total
Bulk carriers	1,933	11.4%	1,578	6.0%	3,511	269	10.8%	121	5.3%	390
Container ships	1,557	9.2%	555	2.1%	2,112	245	9.9%	52	2.3%	297
Fishing vessels	989	5.8%	4,643	17.7%	5,632	48	1.9%	126	5.6%	174
Gas tankers	714	4.2%	403	1.5%	1,117	53	2.1%	12	0.5%	65
General cargo ships	2,986	17.6%	7,458	28.4%	10,444	710	28.6%	1,027	45.3%	1,737
Offshore vessels	2,694	15.9%	1,880	7.2%	4,574	393	15.8%	130	5.7%	523
Oil and chemical tankers	3,511	20.7%	3,535	13.5%	7,046	279	11.2%	188	8.3%	467
Other tankers	309	1.8%	389	1.5%	698	31	1.2%	47	2.1%	78
Passenger ships	636	3.7%	1,855	7.1%	2,491	215	8.6%	239	10.5%	454
Ro-ro cargo ships	279	1.6%	711	2.7%	990	59	2.4%	62	2.7%	121
Service ships	859	5.1%	2,642	10.1%	3,501	129	5.2%	180	7.9%	309
Specialized cargo ships	137	0.8%	98	0.4%	235	3	0.1%	49	2.2%	52
Tugs	364	2.1%	470	1.8%	834	52	2.1%	34	1.5%	86
Total	16,968	100%	26,217	100%	43,185	2,486	100%	2,267	100%	4,753

Source: Equasis - ⁽¹⁾ 500≤GT<25,000Table 112 - P&I status : gross tonnage (in 1000 GT) of medium sized⁽¹⁾ ships, by type and flag

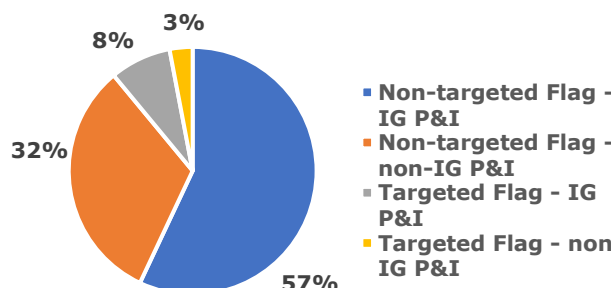
Ship type	Non-targeted flag					Targeted flag				
	IGP&I		Non-IGP&I		Total	IGP&I		Non-IG P&I		Total
Bulk carriers	36,131	25.0%	13,890	17.3%	50,022	5,146	24.4%	1,225	16.4%	6,371
Container ships	21,455	14.9%	4,588	5.7%	26,043	2,812	13.3%	362	4.8%	3,174
Fishing vessels	2,038	1.4%	5,678	7.1%	7,717	99	0.5%	157	2.1%	256
Gas tankers	5,906	4.1%	1,135	1.4%	7,041	490	2.3%	112	1.5%	602
General cargo ships	24,722	17.1%	22,494	28.0%	47,216	5,210	24.7%	3,410	45.6%	8,620
Offshore vessels	9,353	6.5%	3,780	4.7%	13,133	1,601	7.6%	258	3.4%	1,859
Oil and chemical tankers	31,162	21.6%	12,001	14.9%	43,163	2,188	10.4%	545	7.3%	2,733
Other tankers	1,379	1.0%	642	0.8%	2,021	162	0.8%	56	0.8%	218
Passenger ships	3,581	2.5%	5,846	7.3%	9,427	1,922	9.1%	519	6.9%	2,441
Ro-ro cargo ships	2,754	1.9%	2,950	3.7%	5,704	752	3.6%	304	4.1%	1,056
Service ships	3,825	2.7%	6,435	8.0%	10,260	641	3.0%	346	4.6%	987
Specialized cargo ships	1,644	1.1%	633	0.8%	2,277	48	0.2%	164	2.2%	212
Tugs	321	0.2%	382	0.5%	703	51	0.2%	30	0.4%	81
Total	144,272	100%	80,454	100%	224,726	21,123	100%	7,487	100%	28,610

Source: Equasis - ⁽¹⁾ 500≤GT<25,000

Graph 110 - Total number of medium sized ships, by P&I status and flag



Graph 111 - Gross tonnage of medium sized ships, by P&I status and flag



LARGE SHIPS

Table 113 - P&I status : total number of large⁽¹⁾ ships, by type and flag

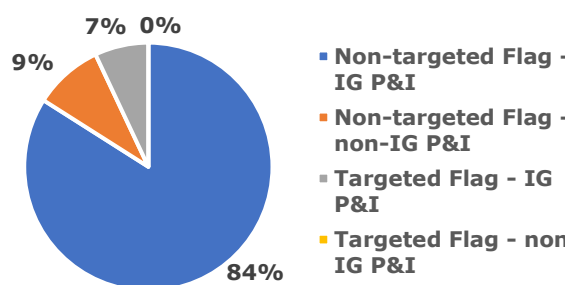
Ship type	Non-targeted flag					Targeted flag				
	IGP&I		Non-IGP&I		Total	IGP&I		Non-IG P&I		Total
Bulk carriers	6,035	53.5%	676	56.4%	6,711	381	39.7%	11	26.8%	392
Container ships	1,545	13.7%	69	5.8%	1,614	70	7.3%	0	0.0%	70
Fishing vessels	1	0.0%	3	0.3%	4	0	0.0%	0	0.0%	0
Gas tankers	390	3.5%	43	3.6%	433	37	3.9%	5	12.2%	42
General cargo ships	223	2.0%	9	0.8%	232	56	5.8%	0	0.0%	56
Offshore vessels	70	0.6%	32	2.7%	102	18	1.9%	2	4.9%	20
Oil and chemical tankers	2,352	20.9%	307	25.6%	2,659	152	15.8%	16	39.0%	168
Other tankers	14	0.1%	2	0.2%	16	0	0.0%	0	0.0%	0
Passenger ships	165	1.5%	18	1.5%	183	109	11.4%	7	17.1%	116
Ro-ro cargo ships	399	3.5%	25	2.1%	424	129	13.4%	0	0.0%	129
Service ships	21	0.2%	9	0.8%	30	8	0.8%	0	0.0%	8
Specialized cargo ships	57	0.5%	6	0.5%	63	0	0.0%	0	0.0%	0
Tugs	0	0.0%	0	0.0%	0	0	0.0%	0	0.0%	0
Total	11,272	100%	1,199	100%	12,471	960	100%	41	100%	1,001

Source: Equasis - ⁽¹⁾ 25,000 ≤ GT < 60,000Table 114 - P&I status : gross tonnage (in 1000 GT) of large⁽¹⁾ ships, by type and flag

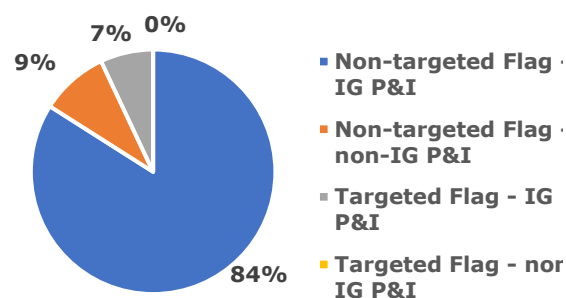
Ship type	Non-targeted flag					Targeted flag				
	IGP&I		Non-IGP&I		Total	IGP&I		Non-IG P&I		Total
Bulk carriers	229,240	54.1%	22,785	51.9%	252,024.88	15,181	40.4%	345	21.4%	15,526
Container ships	58,072	13.7%	2,371	5.4%	60,442.60	2,222	5.9%	0	0.0%	2,222
Fishing vessels	28	0.0%	113	0.3%	141.82	0	0.0%	0	0.0%	0
Gas tankers	16,857	4.0%	1,934	4.4%	18,790.80	1,719	4.6%	219	13.5%	1,938
General cargo ships	7,504	1.8%	263	0.6%	7,766.58	1,938	5.2%	0	0.0%	1,938
Offshore vessels	3,220	0.8%	1,488	3.4%	4,708.10	774	2.1%	96	5.9%	870
Oil and chemical tankers	80,004	18.9%	12,581	28.6%	92,584.38	5,500	14.7%	728	45.1%	6,228
Other tankers	410	0.1%	56	0.1%	465.37	0	0.0%	0	0.0%	0
Passenger ships	6,155	1.5%	615	1.4%	6,770.66	3,892	10.4%	228	14.1%	4,120
Ro-ro cargo ships	19,112	4.5%	1,143	2.6%	20,255.14	6,029	16.1%	0	0.0%	6,029
Service ships	759	0.2%	352	0.8%	1,111.47	280	0.7%	0	0.0%	280
Specialized cargo ships	2,255	0.5%	228	0.5%	2,482.27	0	0.0%	0	0.0%	0
Tugs	0	0.0%	0	0.0%	0	0	0.0%	0	0.0%	0
Total	423,616	100%	43,928	100%	467,544	37,536	100%	1,616	100%	39,153

Source: Equasis - ⁽¹⁾ 25,000 ≤ GT < 60,000

Graph 112 - Total number of large ships, by P&I status and flag



Graph 113 - Gross tonnage of large ships, by P&I status and flag



VERY LARGE SHIPS

Table 115 - P&I status : total number of very large⁽¹⁾ ships, by type and flag

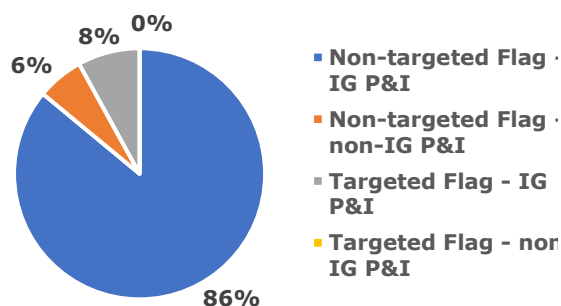
Ship type	Non-targeted flag					Targeted flag				
	IGP&I		Non-IGP&I		Total	IGP&I		Non-IG P&I		Total
Bulk carriers	1,821	29.0%	13	3.1%	1,834	103	18.2%	0	0.0%	103
Container ships	1,562	24.9%	37	8.9%	1,599	25	4.4%	0	0.0%	25
Fishing vessels	0	0.0%	1	0.2%	1	0	0.0%	0	0.0%	0
Gas tankers	504	8.0%	14	3.4%	518	101	17.8%	0	0.0%	101
General cargo ships	0	0.0%	0	0.0%	0	0	0.0%	0	0.0%	0
Offshore vessels	200	3.2%	47	11.3%	247	62	11.0%	10	31.3%	72
Oil and chemical tankers	1,825	29.1%	296	71.3%	2,121	148	26.1%	22	68.8%	170
Other tankers	0	0.0%	0	0.0%	0	0	0.0%	0	0.0%	0
Passenger ships	112	1.8%	1	0.2%	113	92	16.3%	0	0.0%	92
Ro-ro cargo ships	242	3.9%	1	0.2%	243	34	6.0%	0	0.0%	34
Service ships	6	0.1%	1	0.2%	7	1	0.2%	0	0.0%	1
Specialized cargo ships	5	0.1%	4	1.0%	9	0	0.0%	0	0.0%	0
Tugs	0	0.0%	0	0.0%	0	0	0.0%	0	0.0%	0
Total	6,277	100%	415	100%	6,692	566	100%	32	100%	598

Source: Equasis - ⁽¹⁾ GT≥60,000Table 116 - P&I status : gross tonnage (in 1000 GT) of very large⁽¹⁾ ships, by type and flag

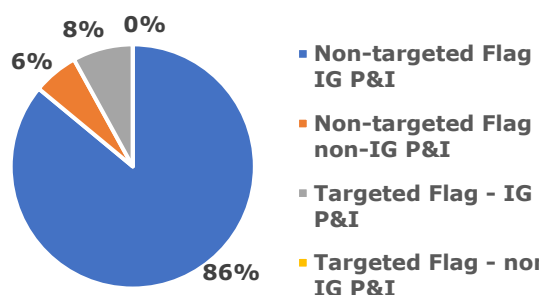
Ship type	Non-targeted flag					Targeted flag				
	IGP&I		Non-IGP&I		Total	IGP&I		Non-IG P&I		Total
Bulk carriers	187,897.93	27.8%	1,173.86	2.6%	189,071.79	10,698.63	18.2%	0	0.0%	10,698.63
Container ships	180,883.08	26.8%	5,490.41	12.1%	186,373.49	2,210.70	3.8%	0	0.0%	2,210.70
Fishing vessels	0	0.0%	70.71	0.2%	70.71	0	0.0%	0	0.0%	0
Gas tankers	56,049.51	8.3%	1,576.86	3.5%	57,626.36	11,883.12	20.2%	0	0.0%	11,883.12
General cargo ships	0	0.0%	0	0.0%	0	0	0.0%	0	0.0%	0
Offshore vessels	24,078.92	3.6%	4,784.41	10.6%	28,863.33	8,285.36	14.1%	1,060.80	31.8%	9,346.17
Oil and chemical tankers	196,976.20	29.2%	31,600.33	69.8%	228,576.53	12,172.16	20.7%	2,277.19	68.2%	14,449.34
Other tankers	0	0.0%	0	0.0%	0	0	0.0%	0	0.0%	0
Passenger ships	12,216.58	1.8%	177.00	0.4%	12,393.58	11,070.78	18.9%	0	0.0%	11,070.78
Ro-ro cargo ships	16,273.75	2.4%	72.41	0.2%	16,346.16	2,315.64	3.9%	0	0.0%	2,315.64
Service ships	907.98	0.1%	70.81	0.2%	978.79	60.83	0.1%	0	0.0%	60.83
Specialized cargo ships	383.97	0.1%	269.64	0.6%	653.61	0	0.0%	0	0.0%	0
Tugs	0	0.0%	0	0.0%	0	0	0.0%	0	0.0%	0
Total	675,668	100%	45,286	100%	720,954	58,697	100%	3,338	100%	62,035

Source: Equasis - ⁽¹⁾ GT≥60,000

Graph 114 - Total number of very large ships, by P&I status and flag



Graph 115 - Gross tonnage of very large ships, by P&I status and flag



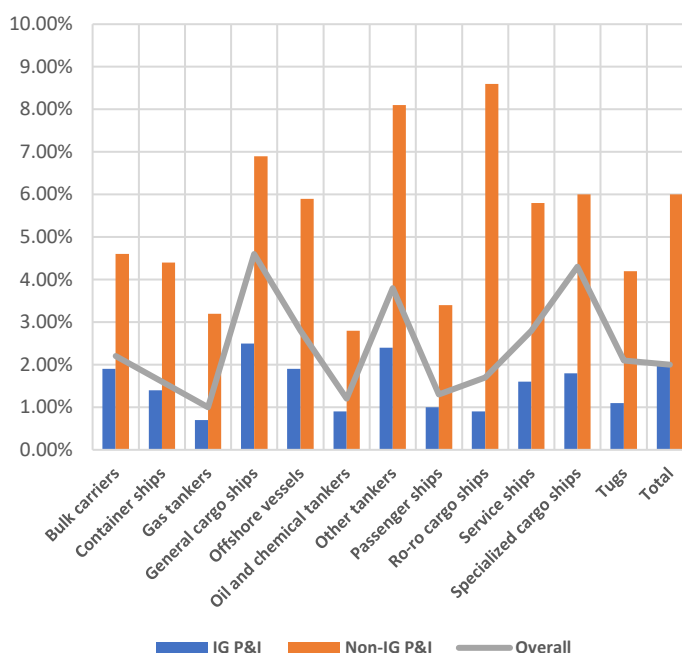
4.5. SAFETY PERFORMANCE

WORLD FLEET GT≥500

Table 117 - Whole fleet GT≥500 detention rate^(*), by type and P&I status - 2022

Ship type	IGP&I	Non-IGP&I	Overall
Bulk carriers	1.9%	4.6%	2.2%
Container ships	1.4%	4.4%	1.6%
Gas tankers	0.7%	3.2%	1.0%
General cargo ships	2.5%	6.9%	4.6%
Offshore vessels	1.9%	5.9%	2.8%
Oil and chemical tankers	0.9%	2.8%	1.2%
Other tankers	2.4%	8.1%	3.8%
Passenger ships	1.0%	3.4%	1.3%
Ro-ro cargo ships	0.9%	8.6%	1.7%
Service ships	1.6%	5.8%	2.8%
Specialized cargo ships	1.8%	6.0%	4.3%
Tugs	1.1%	4.2%	2.1%
Total	2%	6%	2%

Source: Equasis - ^(*) Detentions in PSC regimes providers to Equasis divided by total number of inspections

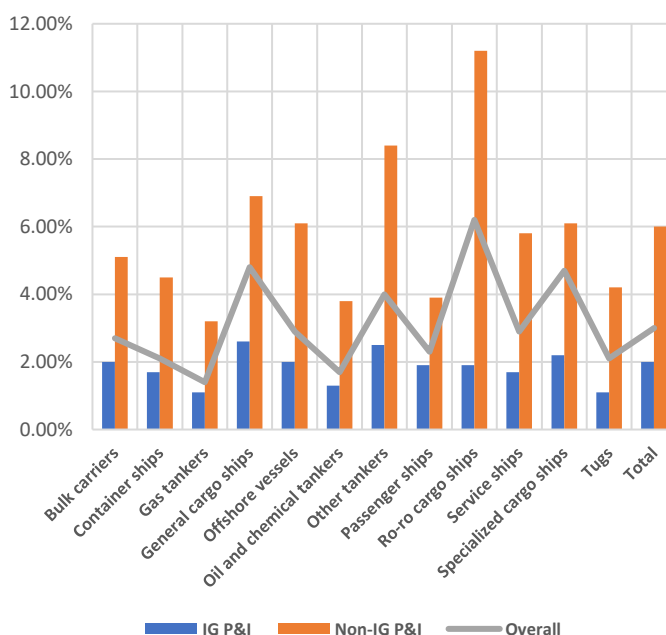
Graph 116 - Whole fleet GT≥500 detention rate^(*), by type and P&I status - 2022

MEDIUM SIZED SHIPS

Table 118 - The world merchant fleet in 2022 Medium sized⁽¹⁾ ships detention rates^(*), by type and P&I status - 2022

Ship type	IGP&I	Non-IGP&I	Overall
Bulk carriers	2.0%	5.1%	2.7%
Container ships	1.7%	4.5%	2.1%
Gas tankers	1.1%	3.2%	1.4%
General cargo ships	2.6%	6.9%	4.8%
Offshore vessels	2.0%	6.1%	2.9%
Oil and chemical tankers	1.3%	3.8%	1.7%
Other tankers	2.5%	8.4%	4.0%
Passenger ships	1.9%	3.9%	2.3%
Ro-ro cargo ships	1.9%	11.2%	6.2%
Service ships	1.7%	5.8%	2.9%
Specialized cargo ships	2.2%	6.1%	4.7%
Tugs	1.1%	4.2%	2.1%
Total	2%	6%	3%

Source: Equasis - ⁽¹⁾ 500≤GT<25,000 - ^(*) Detentions in PSC regimes providers to Equasis divided by total number of inspections

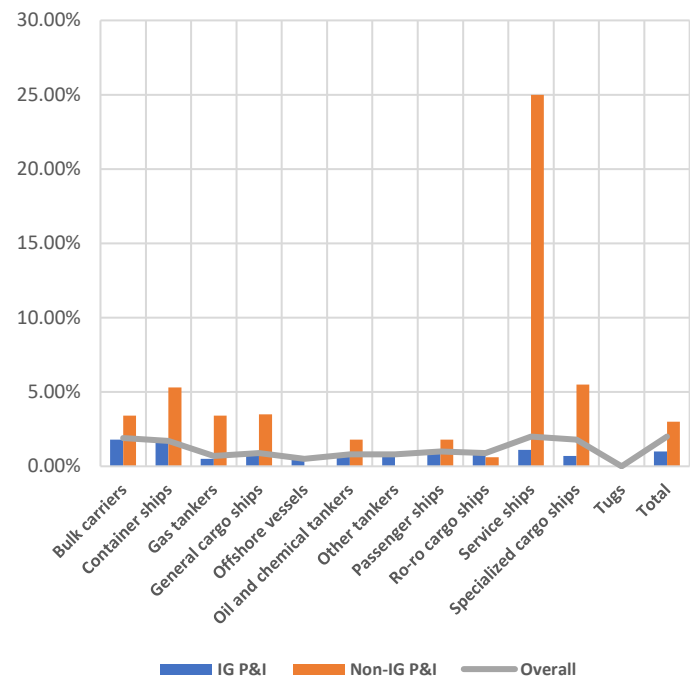
Graph 117 - Whole fleet GT≥500 detention rate^(*), by type and P&I status - 2022

LARGE SHIPS

Table 119 - Large⁽¹⁾ ships detention rates^(*), by type and P&I status – 2022

Ship type	IGP&I	Non-IGP&I	Overall
Bulk carriers	1.8%	3.4%	1.9%
Container ships	1.6%	5.3%	1.7%
Gas tankers	0.5%	3.4%	0.7%
General cargo ships	0.8%	3.5%	0.9%
Offshore vessels	0.6%	0.0%	0.5%
Oil and chemical tankers	0.7%	1.8%	0.8%
Other tankers	0.9%	0.0%	0.8%
Passenger ships	1.0%	1.8%	1.0%
Ro-ro cargo ships	0.9%	0.6%	0.9%
Service ships	1.1%	25.0%	2.0%
Specialized cargo ships	0.7%	5.5%	1.8%
Tugs	Na	Na	Na
Total	1%	3%	2%

Source: Equasis – ⁽¹⁾ 25,000 ≤ GT < 60,000 – ^(*) Detentions in PSC regimes providers to Equasis divided by total number of inspections

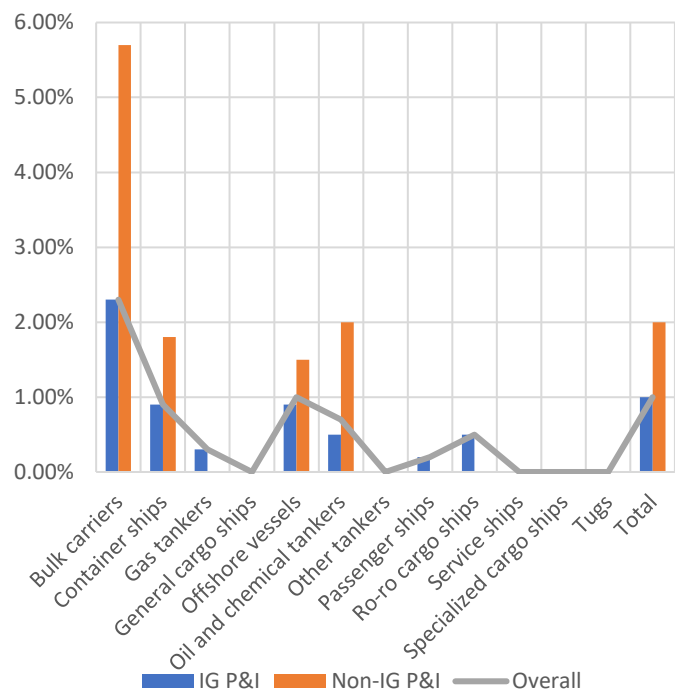
**Graph 118 - Large⁽¹⁾ ships detention rates^(*), by type and P&I status – 2022**

VERY LARGE SHIPS

Table 120 - Very large⁽¹⁾ ships detention rates^(*), by type and P&I status - 2022

Ship type	IGP&I	Non-IGP&I	Overall
Bulk carriers	2.3%	5.7%	2.3%
Container ships	0.9%	1.8%	0.9%
Gas tankers	0.3%	0.0%	0.3%
General cargo ships	Na	Na	Na
Offshore vessels	0.9%	1.5%	1.0%
Oil and chemical tankers	0.5%	2.0%	0.7%
Other tankers	Na	Na	Na
Passenger ships	0.2%	Na	0.2%
Ro-ro cargo ships	0.5%	0.0%	0.5%
Service ships	0.0%	Na	0.0%
Specialized cargo ships	0.0%	Na	0.0%
Tugs	Na	Na	Na
Total	1%	2%	1%

Source: Equasis – ⁽¹⁾ GT ≥ 60,000 – ^(*) Detentions in PSC regimes providers to Equasis divided by total number of inspections

**Graph 119 - Large⁽¹⁾ ships detention rates^(*), by type and P&I status – 2022**

Chapter 5

5. Port State Control

INTRODUCTION

Port State Control (PSC) authorities check the compliance with International Conventions of foreign flagged ships visiting their ports. Equasis statistics include data on inspections provided by nine regional PSC regimes:

1. Abuja MoU;
2. Black Sea MoU;
3. Caribbean MoU;
4. Indian Ocean MoU;
5. Mediterranean MoU;
6. Paris MoU;
7. U.S. Coast Guard;
8. Tokyo MoU; and
9. Viña del Mar Agreement.

Equasis is not currently provided with data on PSC inspections under Riyadh MoU.

The analysis in this chapter considers the last three years of inspections (2020-2022) from these PSC regimes as recorded in Equasis except if stated otherwise.

PSC SHIP TYPES

This chapter uses the PSC ship types recorded during inspections, instead of the commercial ship types used in other chapters. Nevertheless, the fleet considered is the same as in previous chapters, i.e., PSC eligible ships in service at the last day of the year.

As such, only inspections on active ships are counted in the following tables – even if more inspections are recorded in Equasis for ships that were no longer active by the end of 2022.

INSPECTED SHIPS

Equasis receives data from PSC regimes covering most parts of the world. However, some ships do not trade to the participating

maritime authorities of these nine MoU's or in some cases were not inspected when visiting ports of the members of the MoU while being part of the eligible PSC fleet. Some ships are not eligible for PSC inspections due to their size, type or if only engaged in domestic trade. Therefore, there is a part of the world fleet without port state control inspection records in Equasis.

Part of this “*without inspection record*” fleet, particularly those ships in the very large, large and medium sized ship categories, may still be trading in the waters of these PSC regimes or using ports in those areas.

The inspection figures refer to the part of the fleet which have been inspected by one of the nine PSC regimes in the past three years. The figures are sorted by ship size, PSC regime and with details per age, flag State status and P&I coverage.

RECOGNISED ORGANISATIONS

Statistics on delegation of authority to Recognised Organisations (RO) are also included in this chapter based on the information contained in statutory certificates recorded at the time of inspection provided by the PSC providers to Equasis. ROs are organisations, often classification societies, acting on behalf of a flag State to conduct surveys on ships under their flag and/or issue certificates of compliance with the relevant international conventions.

Table 154 provides the total number of inspections in which each type of statutory certificate has been recorded by the PSC Officer (PSCO). Please note that during an inspection several certificates are usually checked and recorded but no checklist is followed. Moreover, depending on the ship type certain certificates may not be applicable. Additionally, a “group” of certificates in the table may refer to more than one certificate and the same

certificate may be issued by different authorities. For these reasons, total figures cannot be obtained by summing lines in Table 154.

The list of certificates by group is given in Annex IV. The group "Other" covers all unlisted certificates.

DOUBLE REPORTING

If the same inspection and detention records were found in the datasets of two different PSC regimes reporting to Equasis then a single inspection is currently still counted twice in the tables below.

A joint solution on how to address this issue at Equasis level has been accepted by the PSC providers and endorsed by the Equasis Supervisory Committee. This will allow that the impact of double reporting will be identified and reflected in the tables. In Equasis website, an interim measure had been implemented where common information is gathered on one line when two PSC send data related to a single inspection.

RESULTS

Table 121 shows that 35% of the world fleet was inspected at least once in the period 2020-2022. The same table shows that cargo ships such container ships (89.5%), NLS tankers (87.7%) and bulk carriers (86.9%) had the largest percentages of their global world fleets inspected in the same period.

Table 123 shows that the number of individual ships inspected in 2022 slightly increased in comparison to last year to a total of 31,743 ships.

Table 124 shows that Paris MoU and Tokyo MoU shared the largest numbers of inspection reports with Equasis and in similar numbers. Smaller number of inspections were recorded in 2022 for the Caribbean MoU and Abuja MoU. In general, most ships have only been inspected once by the same regime in 2022.

Table 125 shows that the majority (48%) of the ships were inspected in one PSC

region in 2022, 29% in two regions and 23% were inspected in three or more regions. The latter are mostly bulk carriers, general cargo ships and tankers due to their trade patterns.

Table 126 shows that out of the PSC eligible fleet over 500 GT covered by Equasis (69,414 ships), 60% (41,639) were inspected at least once in the period 2020-2022. This equates to 89% by tonnage (Table 127).

By age, the same table shows that the fleet of oldest ships with 25+ years (37% inspected) was inspected less than the fleet of younger ships with 0-4 years (53% inspected).

Table 134 shows that the fleets of ships with IGP&I coverage are subject to more inspections than those not covered by an IGP&I (83% and 30% of respective fleets). Table 142 shows that the fleets of ships flying targeted flags are subject to more inspections than those flying non-targeted flags (79% and 58% of respective fleets).

Table 150 shows that the majority of statutory certificates are issued by members of IACS.

Table 154 shows that the degree of delegation of authority to RO by the flag States depends on the type of statutory certificate. The Minimum Safe Manning Document (SMC), the Continuous Synopsis Record (SOLAS/CSR), the Bunker Certificate and the Civil Liability for Oil Pollution Damage Certificate are in 99% of the cases issued by the flag States. On the other hand, RO, in particular IACS members, are delegated to issue all MARPOL Certificates in more than 97% of the cases, the Maritime Labour Convention Certificate in 84% of the cases and the majority of SOLAS Certificates (87% of the cases).

5.1. PORT STATE CONTROL OVERVIEW

OVERVIEW OF INSPECTED SHIPS IN ALL PSC REGIMES (2020-2022)

Table 121 - The world fleet in Equasis, by PSC type and size (GT≥100)

PSC Ship type	Small ⁽¹⁾			Medium ⁽²⁾			Large ⁽³⁾			Very Large ⁽⁴⁾			All Sizes		
	Global	Inspected		Global	Inspected		Global	Inspected		Global	Inspected		Global	Inspected	
Bulk Carrier	242	10	4.1%	3,393	2,604	76.7%	6,944	6,389	92.0%	1,935	1,867	96.5%	12,514	10,870	86.9%
Chemical Tanker	423	20	4.7%	417	119	28.5%	2	2	100.0%	0	0	Na	842	141	16.7%
Combination Carrier	0	0	Na	36	18	50.0%	0	0	Na	2	2	100.0%	38	20	52.6%
Container	19	0	0.0%	2,405	1,958	81.4%	1,684	1,590	94.4%	1,624	1,584	97.5%	5,732	5,132	89.5%
Gas Carrier	34	0	0.0%	1,154	778	67.4%	474	436	92.0%	619	581	93.9%	2,281	1,795	78.7%
General Cargo/Multipurpose	4,864	237	4.9%	12,274	7,189	58.6%	288	284	98.6%	0	0	Na	17,426	7,710	44.2%
Heavy Load	2	0	0.0%	143	121	84.6%	54	53	98.1%	9	2	22.2%	208	176	84.6%
NLS Tanker	59	6	10.2%	3,355	2,867	85.5%	1,640	1,559	95.1%	0	0	0.0%	5,054	4,432	87.7%
Offshore Supply	2,640	328	12.4%	4,880	1,911	39.2%	28	19	67.9%	13	6	46.2%	7,561	2,264	29.9%
Oil Tanker	1,946	76	3.9%	4,493	1,252	27.9%	1,217	1,137	93.4%	2,351	2,157	91.7%	10,007	4,622	46.2%
Other	21,976	692	3.1%	6,409	832	13.0%	433	429	99.1%	243	241	99.2%	29,061	2,194	7.5%
Other Special Activities	3,618	346	9.6%	3,555	906	25.5%	247	183	74.1%	247	79	32.0%	7,667	1,514	19.7%
Passenger Ship	3,555	271	7.6%	772	183	23.7%	63	62	98.4%	197	192	97.5%	4,587	708	15.4%
Refrigerated Cargo	882	89	10.1%	1,359	654	48.1%	11	9	81.8%	1	0	0.0%	2,253	752	33.4%
Ro-Ro Cargo	40	5	12.5%	477	274	57.4%	132	126	95.5%	34	31	91.2%	683	436	63.8%
Ro-Ro Passenger Ship	826	28	3.4%	2,161	414	19.2%	236	201	85.2%	8	7	87.5%	3,231	650	20.1%
Special Purpose Ship	198	12	6.1%	449	128	28.5%	19	10	52.6%	7	7	100.0%	673	157	23.3%
Tug	19,131	1,652	8.6%	920	186	20.2%	0	0	Na	0	0	Na	20,051	1,838	9.2%
Total	60,455	3,772	6%	48,652	22,394	46%	13,472	12,489	93%	7,290	6,756	93%	129,869	45,411	35%

Source: Equasis ⁽¹⁾ GT<500 - ⁽²⁾ 500≤GT<25,000 - ⁽³⁾ 25,000≤GT<60,000 - ⁽⁴⁾ GT≥60,000

Graph 120 -Total number of inspected ships (all sizes), by PSC type

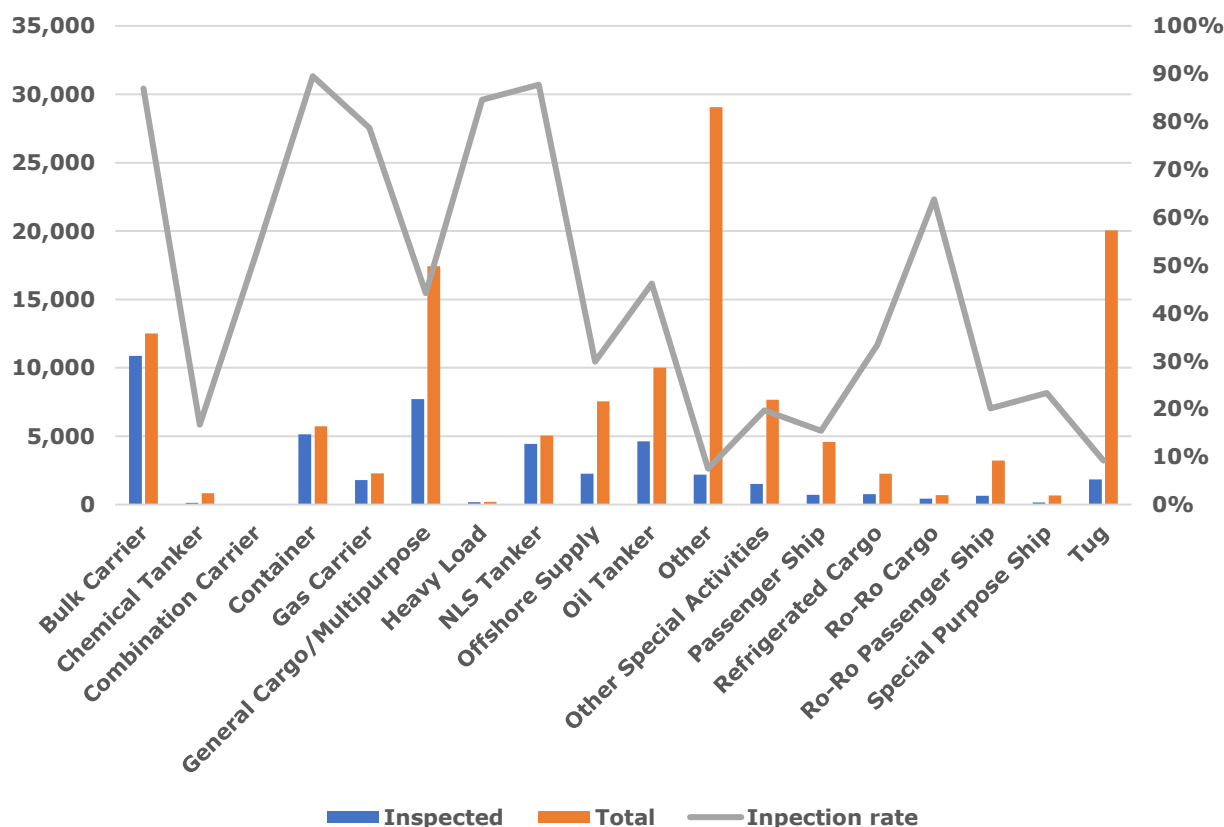
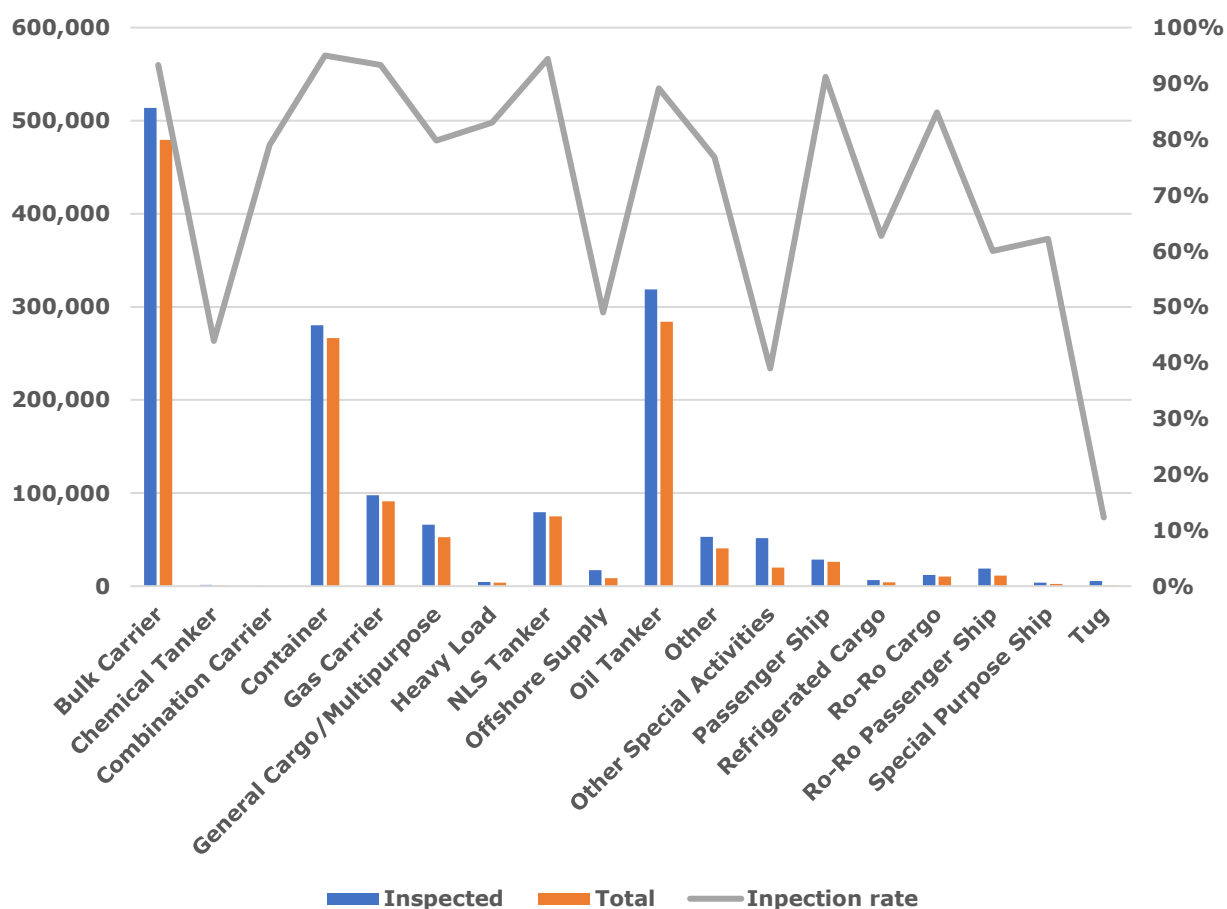


Table 122 - Gross tonnage (in 1000 GT) of the world fleet in Equasis, by PSC type and size

PSC Ship type	Small ⁽¹⁾			Medium ⁽²⁾			Large ⁽³⁾			Very Large ⁽⁴⁾			All Sizes	
	Global	Inspected		Global	Inspected		Global	Inspected		Global	Inspected		Global	Inspected
Bulk Carrier	102	5	4.6%	53,842	46,736	86.8%	260,328	240,951	92.6%	199,629	191,820	96.1%	513,900	479,511
Chemical Tanker	156	7	4.7%	1,105	515	46.6%	56	56	100.0%	0	0	Na	1,317	578
Combination Carrier	0	0	Na	101	50	49.6%	0	0	Na	142	142	100.0%	243	192
Container	8	0	0.0%	29,172	25,299	86.7%	62,665	59,189	94.5%	188,584	181,911	96.5%	280,428	266,400
Gas Carrier	13	0	0.0%	7,389	6,556	88.7%	20,703	19,012	91.8%	69,509	65,482	94.2%	97,615	91,050
General Cargo/Multipurpose	1,701	91	5.3%	54,463	42,932	78.8%	9,705	9,546	98.4%	0	0	Na	65,869	52,568
Heavy Load	1	0	0.0%	1,694	1,465	86.5%	2,150	2,092	97.3%	654	176	27.0%	4,498	3,732
NLS Tanker	26	3	10.3%	30,789	28,734	93.3%	48,659	46,258	95.1%	0	0	Na	79,474	74,995
Offshore Supply	747	97	13.0%	14,158	7,053	49.8%	1,016	702	69.0%	1,354	615	45.4%	17,275	8,466
Oil Tanker	591	26	4.5%	16,163	7,273	45.0%	51,449	48,134	93.6%	250,652	228,528	91.2%	318,855	283,961
Other	4,958	253	5.1%	10,162	2,852	28.1%	21,698	21,564	99.4%	16,211	16,068	99.1%	53,029	40,736
Other Special Activities	896	103	11.5%	9,939	3,404	34.3%	11,283	8,246	73.1%	29,301	8,284	28.3%	51,418	20,036
Passenger Ship	877	64	7.3%	2,203	1,195	54.3%	2,549	2,501	98.1%	22,923	22,274	97.2%	28,552	26,034
Refrigerated Cargo	221	30	13.7%	5,981	3,851	64.4%	362	281	77.5%	71	0	0.0%	6,635	4,162
Ro-Ro Cargo	13	2	18.3%	4,667	3,251	69.6%	5,019	4,824	96.1%	2,451	2,230	91.0%	12,150	10,307
Ro-Ro Passenger Ship	254	8	3.2%	9,655	3,684	38.2%	8,342	7,111	85.2%	541	471	87.1%	18,792	11,274
Special Purpose Ship	47	5	9.8%	2,135	1,052	49.3%	720	383	53.3%	969	969	100.0%	3,871	2,408
Tug	4,674	497	10.6%	784	175	22.4%	0	0	Na	0	0	Na	5,457	673
Total	15,285	1,191	8%	254,403	186,076	73%	506,703	470,848	93%	782,990	718,969	92%	1,559,381	1,377,083

Source: Equasis ⁽¹⁾ GT<500 - ⁽²⁾ 500≤GT<25,000 - ⁽³⁾ 25,000≤GT<60,000 - ⁽⁴⁾ GT≥60,000

Graph 121 - Gross tonnage (in 1000 GT) of inspected ships (all sizes), by PSC type

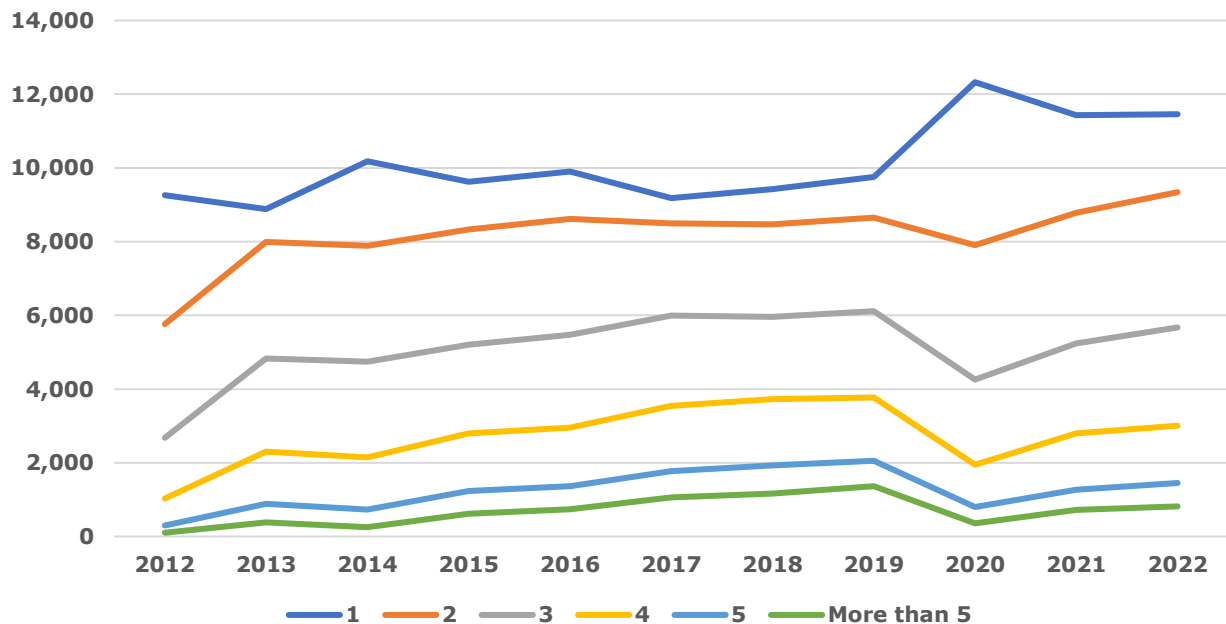


MULTIPLE INSPECTIONS (2020-2022)

Table 123 - Total number of individual ships inspected^(*), by number of inspections per ship – 2020-2022

Number Of Inspections Per Ship	2012		2013		2014		2015		2016		2017		2018		2019		2020		2021		2022	
1	9,255	48.4%	8,883	35.1%	10,183	39.2%	9,622	34.6%	9,905	34.1%	9,180	30.5%	9,422	30.7%	9,754	30.8%	12,326	44.7%	11,434	37.8%	11,453	36.1%
2	5,762	30.1%	7,991	31.6%	7,888	30.4%	8,332	30.0%	8,618	29.7%	8,498	28.3%	8,472	27.6%	8,652	27.3%	7,906	28.7%	8,781	29.0%	9,342	29.4%
3	2,678	14.0%	4,828	19.1%	4,746	18.3%	5,203	18.7%	5,471	18.8%	5,995	19.9%	5,959	19.4%	6,113	19.3%	4,260	15.4%	5,240	17.3%	5,673	17.9%
4	1,031	5.4%	2,304	9.1%	2,148	8.3%	2,797	10.1%	2,952	10.2%	3,542	11.8%	3,731	12.2%	3,772	11.9%	1,947	7.1%	2,798	9.3%	3,002	9.5%
5	299	1.6%	888	3.5%	729	2.8%	1,238	4.5%	1,364	4.7%	1,775	5.9%	1,932	6.3%	2,054	6.5%	796	2.9%	1,269	4.2%	1,453	4.6%
More than 5	103	0.5%	387	1.5%	256	1.0%	617	2.2%	743	2.6%	1,061	3.5%	1,167	3.8%	1,365	4.3%	360	1.3%	720	2.4%	820	2.6%
Total	19,128	100%	25,281	100%	25,950	100%	27,809	100%	29,053	100%	30,051	100%	30,683	100%	31,710	100%	27,595	100%	30,242	100%	31,743	100%

Source: Equasis – (*) All existing ship types in Equasis

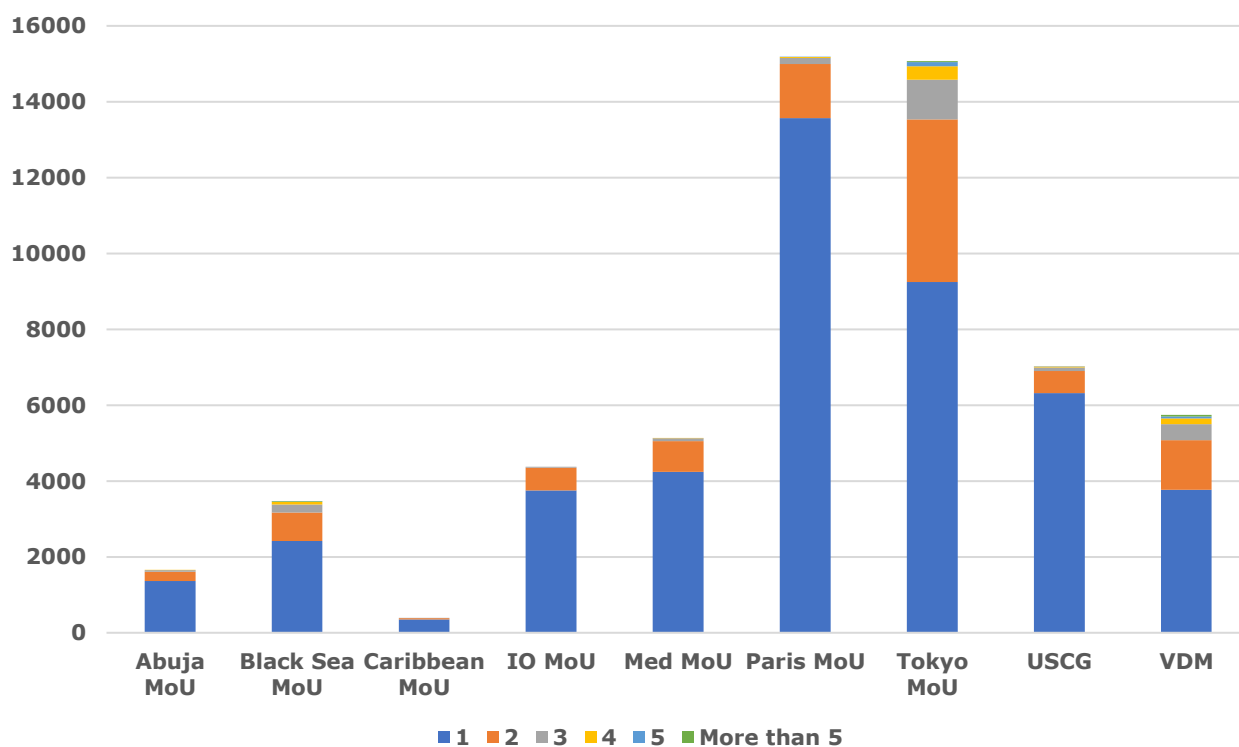
Graph 122 - Total number of individual ships inspected^(*), by number of inspections per ship – 2020-2022

(*) Existing ship types in Equasis

INSPECTION FREQUENCY BY PSC REGIME (2022)

Table 124 - Total number of individual ships inspected^(*), by number of inspections per ship and by PSC region - 2022

Number of inspections per ship	Abuja MoU		Black Sea MoU		Caribbean MoU		IO MoU		Med MoU		Paris MoU		Tokyo MoU		USCG		VDM	
1	1,364	82.2%	2,417	69.6%	356	92.2%	3,756	85.8%	4,243	82.7%	13,565	89.3%	9,250	61.4%	6,320	89.9%	3,774	65.7%
2	247	14.9%	754	21.7%	27	7.0%	600	13.7%	812	15.8%	1,425	9.4%	4,285	28.4%	578	8.2%	1,305	22.7%
3	44	2.7%	213	6.1%	3	0.8%	20	0.5%	73	1.4%	166	1.1%	1,045	6.9%	96	1.4%	420	7.3%
4	5	0.3%	64	1.8%	0	0.0%	0	0.0%	3	0.1%	24	0.2%	357	2.4%	26	0.4%	151	2.6%
5	0	0.0%	13	0.4%	0	0.0%	0	0.0%	0	0.0%	5	0.0%	105	0.7%	7	0.1%	51	0.9%
More than 5	0	0.0%	11	0.3%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	27	0.2%	0	0.0%	40	0.7%
Total	1,660	100%	3,472	100%	386	100%	4,376	100%	5,131	100%	15,185	100%	15,069	100%	7,027	100%	5,741	100%

Source: Equasis – ^(*) All existing ship types in Equasis**Graph 123 - Total number of individual ships inspected^(*), by number of inspections per ship and PSC region - 2022**^(*) All existing ship types in Equasis

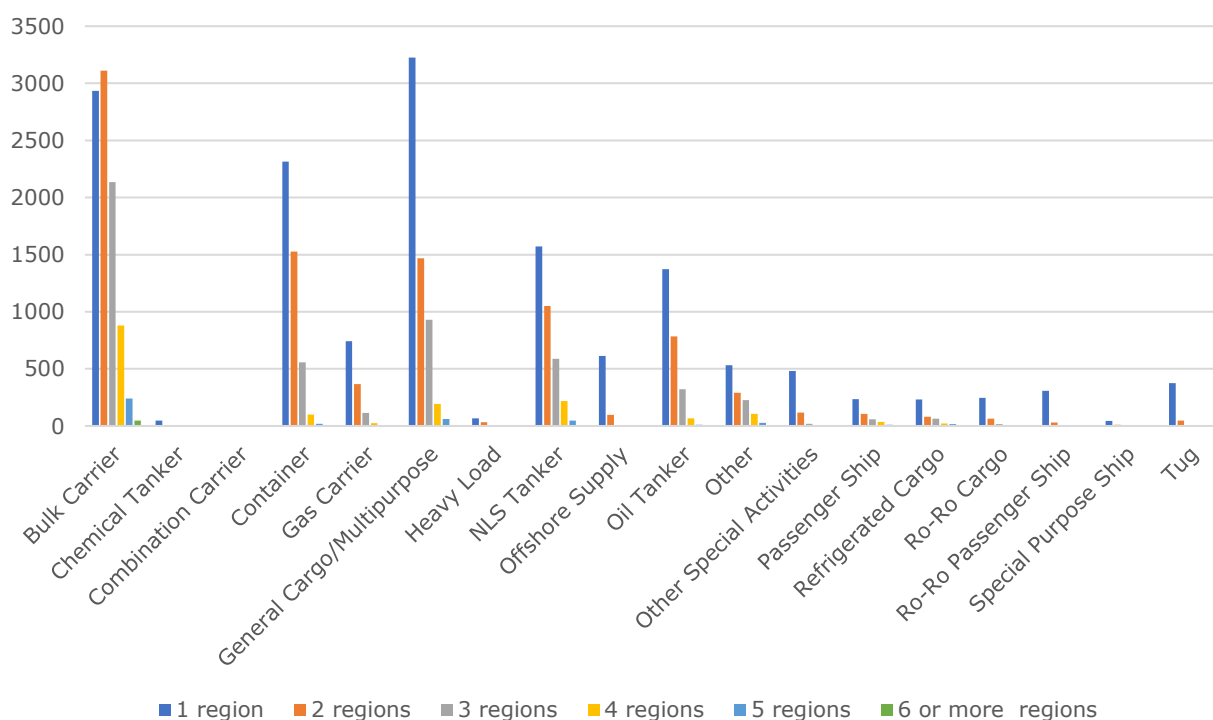
INSPECTIONS IN MORE THAN ONE REGIME (2022)

Table 125 - Total number of individual ships inspected per number of PSC regions

Ship type	1 region		2 regions		3 regions		4 regions		5 regions		6 or more regions	
Bulk Carrier	2933	19.1%	3110	33.8%	2134	42.3%	878	53.3%	241	55.5%	47	72.3%
Chemical Tanker	48	0.3%	8	0.1%	2	0.0%	3	0.2%	0	0.0%	0	0.0%
Combination Carrier	2	0.0%	5	0.1%	2	0.0%	0	0.0%	0	0.0%	0	0.0%
Container	2315	15.1%	1526	16.6%	557	11.0%	100	6.1%	20	4.6%	2	3.1%
Gas Carrier	742	4.8%	366	4.0%	113	2.2%	24	1.5%	4	0.9%	0	0.0%
General Cargo/Multipurpose	3225	21.0%	1469	16.0%	931	18.4%	192	11.7%	60	13.8%	6	9.2%
Heavy Load	67	0.4%	33	0.4%	9	0.2%	1	0.1%	0	0.0%	0	0.0%
NLS Tanker	1573	10.3%	1049	11.4%	589	11.7%	218	13.2%	47	10.8%	4	6.2%
Offshore Supply	613	4.0%	97	1.1%	3	0.1%	0	0.0%	0	0.0%	0	0.0%
Oil Tanker	1373	8.9%	784	8.5%	322	6.4%	67	4.1%	10	2.3%	2	3.1%
Other	531	3.5%	290	3.2%	225	4.5%	107	6.5%	27	6.2%	3	4.6%
Other Special Activities	480	3.1%	118	1.3%	20	0.4%	0	0.0%	0	0.0%	0	0.0%
Passenger Ship	235	1.5%	107	1.2%	58	1.1%	35	2.1%	10	2.3%	0	0.0%
Refrigerated Cargo	233	1.5%	80	0.9%	65	1.3%	22	1.3%	15	3.5%	1	1.5%
Ro-Ro Cargo	245	1.6%	65	0.7%	15	0.3%	1	0.1%	0	0.0%	0	0.0%
Ro-Ro Passenger Ship	307	2.0%	30	0.3%	2	0.0%	0	0.0%	0	0.0%	0	0.0%
Special Purpose Ship	45	0.3%	10	0.1%	2	0.0%	0	0.0%	0	0.0%	0	0.0%
Tug	374	2.4%	47	0.5%	1	0.0%	0	0.0%	0	0.0%	0	0.0%
Total	15341	100%	9194	100%	5050	100%	1648	100%	434	100%	65	100%

Source: Equasis

Graph 124 - Ships inspected per number of PSC regions, by type



5.2. SHIPS INSPECTED BETWEEN 2020 AND 2022 – BY AGE

WORLD FLEET GT≥500

Table 126 - Total number of ships GT≥500 with and without inspections, by PSC type and age

PSC Ship type	0-4 years old			5-14 years old			15-24 years old			+25 years old			All ages		
	Global	Inspected		Global	Inspected		Global	Inspected		Global	Inspected		Global	Inspected	
Bulk Carrier	1,897	1,380	72.7%	7,250	6,638	91.6%	2,369	2,254	95.1%	756	588	77.8%	12,272	10,860	88.5%
Chemical Tanker	51	6	11.8%	86	23	26.7%	66	29	43.9%	216	63	29.2%	419	121	28.9%
Combination Carrier	0	0	0.0%	3	0	0.0%	2	2	100.0%	33	18	54.5%	38	20	52.6%
Container	768	531	69.1%	2,049	1,880	91.8%	2,301	2,243	97.5%	595	478	80.3%	5,713	5,132	89.8%
Gas Carrier	419	289	69.0%	874	789	90.3%	556	501	90.1%	398	216	54.3%	2,247	1,795	79.9%
General Cargo/Multipurpose	769	355	46.2%	3,319	2,090	63.0%	2,905	2,087	71.8%	5,569	2,941	52.8%	12,562	7,473	59.5%
Heavy Load	41	25	61.0%	103	90	87.4%	29	29	100.0%	33	32	97.0%	206	176	85.4%
NLS Tanker	701	576	82.2%	2,061	1,891	91.8%	1,816	1,716	94.5%	417	243	58.3%	4,995	4,426	88.6%
Offshore Supply	254	55	21.7%	2,473	1,143	46.2%	1,101	488	44.3%	1,093	250	22.9%	4,921	1,936	39.3%
Oil Tanker	914	434	47.5%	2,967	1,969	66.4%	2,124	1,667	78.5%	2,056	476	23.2%	8,061	4,546	56.4%
Other	733	68	9.3%	1,794	550	30.7%	1,153	495	42.9%	3,405	389	11.4%	7,085	1,502	21.2%
Other Special Activities	333	64	19.2%	1,248	419	33.6%	711	290	40.8%	1,757	395	22.5%	4,049	1,168	28.8%
Passenger Ship	144	76	52.8%	192	99	51.6%	244	127	52.0%	452	135	29.9%	1,032	437	42.3%
Refrigerated Cargo	121	34	28.1%	136	63	46.3%	116	88	75.9%	998	478	47.9%	1,371	663	48.4%
Ro-Ro Cargo	74	36	48.6%	162	117	72.2%	159	117	73.6%	248	161	64.9%	643	431	67.0%
Ro-Ro Passenger Ship	249	48	19.3%	534	94	17.6%	488	168	34.4%	1,134	312	27.5%	2,405	622	25.9%
Special Purpose Ship	40	5	12.5%	68	26	38.2%	61	36	59.0%	306	78	25.5%	475	145	30.5%
Tug	53	3	5.7%	286	71	24.8%	135	45	33.3%	446	67	15.0%	920	186	20.2%
Total	7,561	3,985	53%	25,605	17,952	70%	16,336	12,382	76%	19,912	7,320	37%	69,414	41,639	60%

Source: Equasis

Graph 125 -Proportion of inspected ships GT≥500, by age

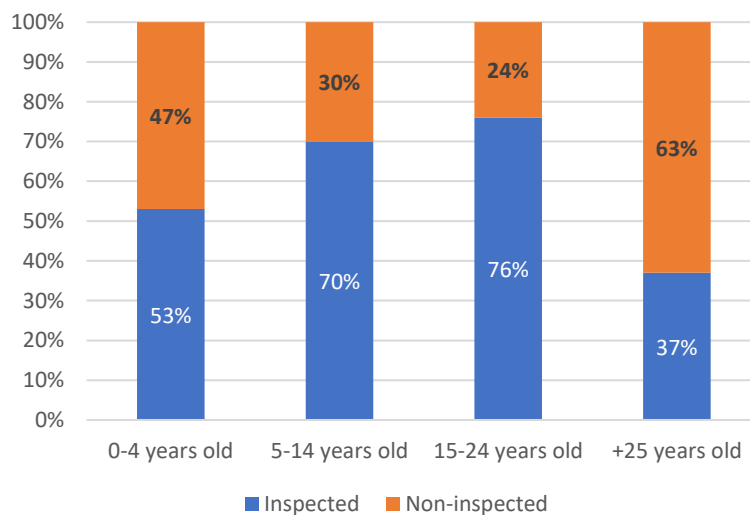
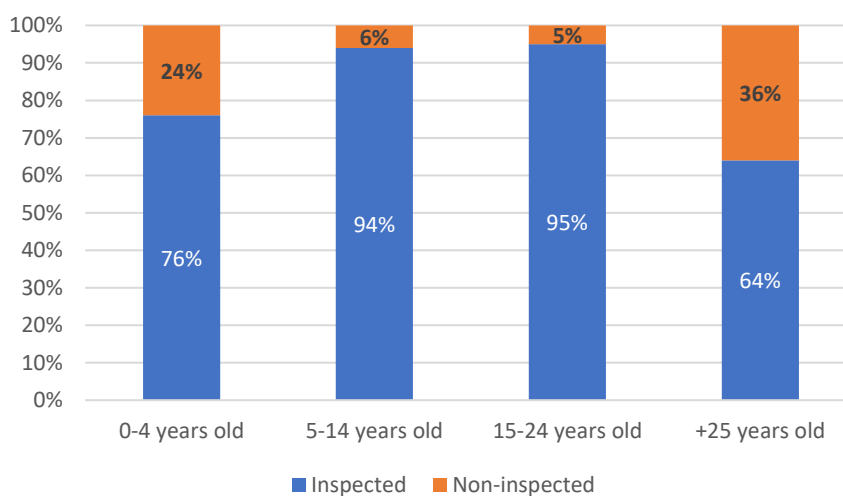


Table 127 - Gross tonnage (in 1000 GT) of ships GT≥500 with and without inspections, by PSC type and age

PSC Ship type	0-4 years old			5-14 years old			15-24 years old			+25 years old			All ages		
	Global	Inspected		Global	Inspected		Global	Inspected		Global	Inspected		Global	Inspected	
Bulk Carrier	93,050	73,144	78.6%	317,495	305,897	96.3%	87,797	87,098	99.2%	15,457	13,367	86.5%	513,799	479,506	93.3%
Chemical Tanker	147	21	14.3%	231	88	38.0%	291	231	79.5%	492	231	47.0%	1,161	571	49.2%
Combination Carrier	0	0	0.0%	11	0	0.0%	142	142	100.0%	90	50	55.7%	243	192	79.0%
Container	48,784	37,967	77.8%	137,621	135,589	98.5%	84,325	84,073	99.7%	9,690	8,770	90.5%	280,421	266,400	95.0%
Gas Carrier	25,852	21,395	82.8%	40,724	40,043	98.3%	25,277	24,834	98.2%	5,749	4,778	83.1%	97,601	91,050	93.3%
General Cargo/Multipurpose	5,535	3,958	71.5%	26,782	23,625	88.2%	15,474	13,678	88.4%	16,376	11,216	68.5%	64,168	52,477	81.8%
Heavy Load	978	555	56.7%	2,056	1,725	83.9%	561	561	100.0%	902	891	98.9%	4,498	3,732	83.0%
NLS Tanker	14,180	12,517	88.3%	36,201	34,653	95.7%	26,637	25,973	97.5%	2,429	1,849	76.1%	79,448	74,992	94.4%
Offshore Supply	1,261	270	21.4%	9,770	5,430	55.6%	3,140	1,706	54.3%	2,357	963	40.8%	16,528	8,369	50.6%
Oil Tanker	56,335	40,583	72.0%	145,524	138,310	95.0%	104,178	98,971	95.0%	12,226	6,070	49.6%	318,263	283,935	89.2%
Other	2,894	1,556	53.8%	20,960	18,906	90.2%	17,267	16,260	94.2%	6,950	3,762	54.1%	48,072	40,484	84.2%
Other Special Activities	7,195	2,299	32.0%	15,683	7,981	50.9%	12,210	6,435	52.7%	15,434	3,218	20.9%	50,522	19,933	39.5%
Passenger Ship	6,437	5,653	87.8%	9,052	8,941	98.8%	8,659	8,420	97.2%	3,527	2,956	83.8%	27,675	25,970	93.8%
Refrigerated Cargo	653	248	38.0%	780	552	70.7%	762	704	92.4%	4,218	2,627	62.3%	6,414	4,131	64.4%
Ro-Ro Cargo	2,305	1,763	76.5%	4,773	4,304	90.2%	3,080	2,649	86.0%	1,978	1,588	80.3%	12,137	10,304	84.9%
Ro-Ro Passenger Ship	2,389	1,014	42.4%	3,665	1,541	42.0%	5,530	3,951	71.4%	6,953	4,759	68.5%	18,538	11,266	60.8%
Special Purpose Ship	435	120	27.5%	1,006	799	79.4%	810	675	83.3%	1,572	810	51.5%	3,824	2,404	62.9%
Tug	54	4	8.3%	256	73	28.3%	116	38	32.5%	357	61	16.9%	784	175	22.4%
Total	268,487	203,068	76%	772,592	728,456	94%	396,258	376,401	95%	106,759	67,967	64%	1,544,095	1,375,892	89%

Source: Equasis

Graph 126 -Proportion of gross tonnage inspected ships GT≥500, by age



MEDIUM SIZED SHIPS

Table 128 - Total number of medium sized⁽¹⁾ ships with and without inspections, by PSC type and age

PSC Ship type	0-4 years old			5-14 years old			15-24 years old			+25 years old			All ages		
	Global	Inspected		Global	Inspected		Global	Inspected		Global	Inspected		Global	Inspected	
Bulk Carrier	369	187	50.7%	1,911	1,541	80.6%	644	533	82.8%	469	343	73.1%	3,393	2,604	76.7%
Chemical Tanker	51	6	11.8%	86	23	26.7%	66	29	43.9%	214	61	28.5%	417	119	28.5%
Combination Carrier	0	0	0.0%	3	0	0.0%	0	0	0.0%	33	18	54.5%	36	18	50.0%
Container	357	220	61.6%	585	446	76.2%	987	929	94.1%	476	363	76.3%	2,405	1,958	81.4%
Gas Carrier	121	51	42.1%	420	339	80.7%	279	227	81.4%	334	161	48.2%	1,154	778	67.4%
General Cargo/Multipurpose	730	319	43.7%	3,161	1,932	61.1%	2,859	2,041	71.4%	5,524	2,897	52.4%	12,274	7,189	58.6%
Heavy Load	31	19	61.3%	78	69	88.5%	22	22	100.0%	12	11	91.7%	143	121	84.6%
NLS Tanker	357	265	74.2%	1,268	1,132	89.3%	1,331	1,243	93.4%	399	227	56.9%	3,355	2,867	85.5%
Offshore Supply	252	55	21.8%	2,448	1,126	46.0%	1,095	485	44.3%	1,085	245	22.6%	4,880	1,911	39.2%
Oil Tanker	378	30	7.9%	1,385	442	31.9%	780	371	47.6%	1,950	409	21.0%	4,493	1,252	27.9%
Other	707	46	6.5%	1,485	241	16.2%	866	209	24.1%	3,351	336	10.0%	6,409	832	13.0%
Other Special Activities	257	25	9.7%	1,087	317	29.2%	582	204	35.1%	1,629	360	22.1%	3,555	906	25.5%
Passenger Ship	96	33	34.4%	115	22	19.1%	148	32	21.6%	413	96	23.2%	772	183	23.7%
Refrigerated Cargo	119	33	27.7%	132	59	44.7%	113	85	75.2%	995	477	47.9%	1,359	654	48.1%
Ro-Ro Cargo	41	6	14.6%	70	29	41.4%	121	81	66.9%	245	158	64.5%	477	274	57.4%
Ro-Ro Passenger Ship	216	28	13.0%	496	64	12.9%	390	83	21.3%	1,059	239	22.6%	2,161	414	19.2%
Special Purpose Ship	32	3	9.4%	62	20	32.3%	56	32	57.1%	299	73	24.4%	449	128	28.5%
Tug	53	3	5.7%	286	71	24.8%	135	45	33.3%	446	67	15.0%	920	186	20.2%
Total	4,167	1,329	32%	15,078	7,873	52%	10,474	6,651	64%	18,933	6,541	35%	48,652	22,394	46%

Source: Equasis ⁽¹⁾500≤GT<25,000

Graph 127 -Proportion of inspected medium sized ships, by age

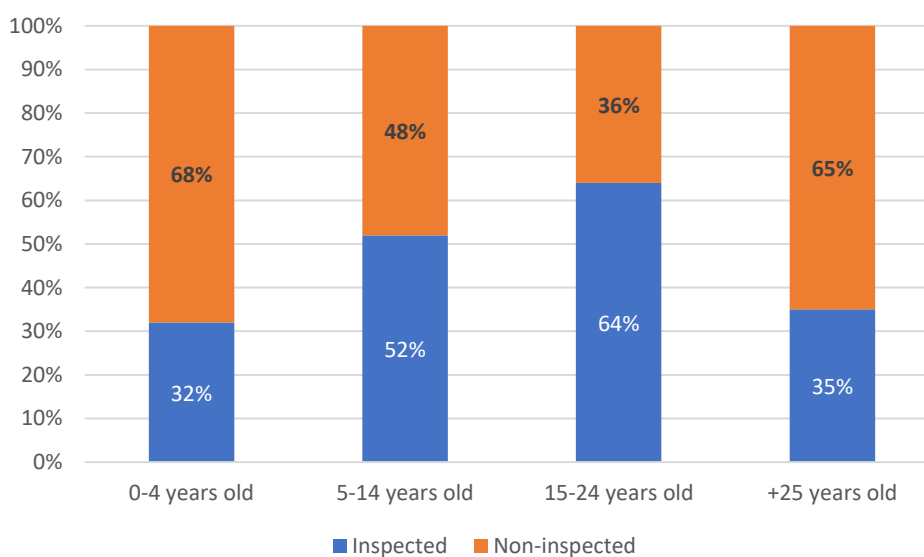
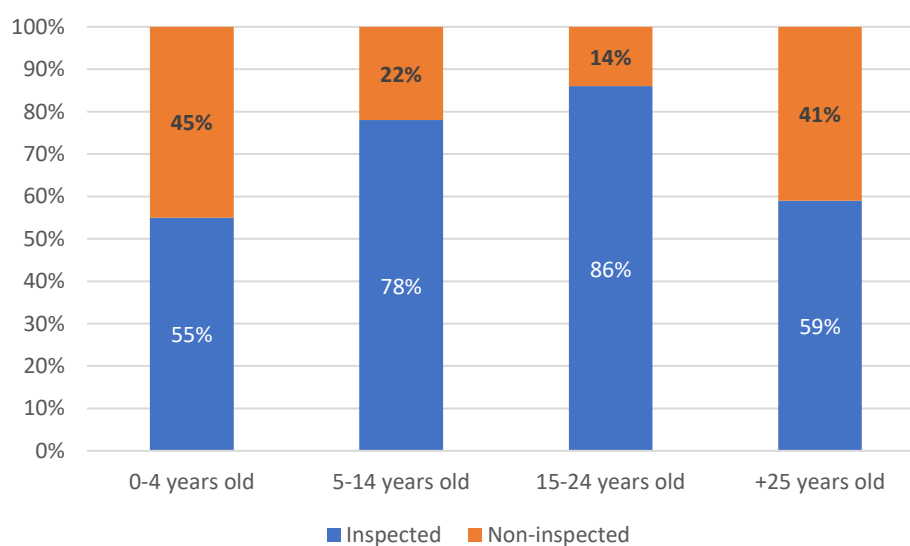


Table 129 - Gross tonnage (in 1000 GT) of medium sized⁽¹⁾ ships with and without inspections, by PSC type and age

PSC Ship type	0-4 years old			5-14 years old			15-24 years old			+25 years old			All ages		
	Global	Inspected		Global	Inspected		Global	Inspected		Global	Inspected		Global	Inspected	
Bulk Carrier	5,737	3,753	65.4%	33,538	29,688	88.5%	8,807	8,242	93.6%	5,759	5,052	87.7%	53,842	46,736	86.8%
Chemical Tanker	147	21	14.3%	231	88	38.0%	291	231	79.5%	436	175	40.2%	1,105	515	46.6%
Combination Carrier	0	0	0.0%	11	0	0.0%	0	0	0.0%	90	50	55.7%	101	50	49.6%
Container	5,555	3,656	65.8%	7,218	6,279	87.0%	11,828	11,576	97.9%	4,571	3,788	82.9%	29,172	25,299	86.7%
Gas Carrier	681	457	67.2%	3,614	3,387	93.7%	1,889	1,746	92.4%	1,205	966	80.2%	7,389	6,556	88.7%
General Cargo/Multipurpose	4,020	2,564	63.8%	21,500	18,342	85.3%	14,002	12,206	87.2%	14,941	9,819	65.7%	54,463	42,932	78.8%
Heavy Load	426	285	66.9%	899	821	91.3%	266	266	100.0%	104	93	90.1%	1,694	1,465	86.5%
NLS Tanker	3,722	3,051	82.0%	12,494	11,956	95.7%	12,649	12,327	97.5%	1,924	1,400	72.8%	30,789	28,734	93.3%
Offshore Supply	981	270	27.5%	8,646	4,696	54.3%	2,835	1,584	55.9%	1,696	502	29.6%	14,158	7,053	49.8%
Oil Tanker	1,688	193	11.4%	5,469	2,465	45.1%	4,574	3,350	73.2%	4,431	1,264	28.5%	16,163	7,273	45.0%
Other	1,257	133	10.6%	2,905	850	29.3%	1,725	755	43.8%	4,275	1,113	26.0%	10,162	2,852	28.1%
Other Special Activities	1,096	170	15.5%	3,539	1,308	37.0%	1,808	869	48.0%	3,495	1,057	30.2%	9,939	3,404	34.3%
Passenger Ship	523	355	68.0%	208	97	46.7%	318	159	50.1%	1,155	584	50.5%	2,203	1,195	54.3%
Refrigerated Cargo	554	220	39.7%	659	430	65.3%	663	605	91.3%	4,105	2,595	63.2%	5,981	3,851	64.4%
Ro-Ro Cargo	449	62	13.7%	761	422	55.4%	1,595	1,294	81.2%	1,863	1,473	79.1%	4,667	3,251	69.6%
Ro-Ro Passenger Ship	976	155	15.8%	2,243	385	17.2%	1,965	808	41.1%	4,471	2,336	52.3%	9,655	3,684	38.2%
Special Purpose Ship	124	34	27.0%	402	195	48.6%	414	321	77.6%	1,194	501	42.0%	2,135	1,052	49.3%
Tug	54	4	8.3%	256	73	28.3%	116	38	32.5%	357	61	16.9%	784	175	22.4%
Total	27,991	15,384	55%	104,593	81,483	78%	65,744	56,377	86%	56,074	32,831	59%	254,403	186,076	73%

Source: Equasis ⁽¹⁾500≤GT<25,000**Graph 128 -Proportion of gross tonnage inspected medium sized ships, by age**

LARGE SHIPS

Table 130 - Total number of large⁽¹⁾ ships with and without inspections, by PSC type and age

PSC Ship type	0-4 years old			5-14 years old			15-24 years old			+25 years old			All ages		
	Global	Inspected		Global	Inspected		Global	Inspected		Global	Inspected		Global	Inspected	
Bulk Carrier	1,177	907	77.1%	4,058	3,818	94.1%	1,425	1,421	99.7%	284	243	85.6%	6,944	6,389	92.0%
Chemical Tanker	0	0	0.0%	0	0	0.0%	0	0	0.0%	2	2	100.0%	2	2	100.0%
Combination Carrier	0	0	Na	0	0	Na	0	0	Na	0	0	Na	0	0	Na
Container	187	127	67.9%	599	569	95.0%	799	799	100.0%	99	95	96.0%	1,684	1,590	94.4%
Gas Carrier	125	91	72.8%	214	214	100.0%	100	100	100.0%	35	31	88.6%	474	436	92.0%
General Cargo/Multipurpose	39	36	92.3%	158	158	100.0%	46	46	100.0%	45	44	97.8%	288	284	98.6%
Heavy Load	6	6	100.0%	20	19	95.0%	7	7	100.0%	21	21	100.0%	54	53	98.1%
NLS Tanker	344	311	90.4%	793	759	95.7%	485	473	97.5%	18	16	88.9%	1,640	1,559	95.1%
Offshore Supply	1	0	0.0%	20	15	75.0%	5	3	60.0%	2	1	50.0%	28	19	67.9%
Oil Tanker	30	21	70.0%	403	377	93.5%	725	702	96.8%	59	37	62.7%	1,217	1,137	93.4%
Other	6	4	66.7%	169	169	100.0%	211	210	99.5%	47	46	97.9%	433	429	99.1%
Other Special Activities	47	35	74.5%	77	60	77.9%	73	64	87.7%	50	24	48.0%	247	183	74.1%
Passenger Ship	14	13	92.9%	14	14	100.0%	17	17	100.0%	18	18	100.0%	63	62	98.4%
Refrigerated Cargo	1	1	100.0%	4	4	100.0%	3	3	100.0%	3	1	33.3%	11	9	81.8%
Ro-Ro Cargo	14	12	85.7%	79	75	94.9%	36	36	100.0%	3	3	100.0%	132	126	95.5%
Ro-Ro Passenger Ship	31	19	61.3%	36	28	77.8%	94	81	86.2%	75	73	97.3%	236	201	85.2%
Special Purpose Ship	8	2	25.0%	5	5	100.0%	1	0	0.0%	5	3	60.0%	19	10	52.6%
Tug	0	0	Na	0	0	Na	0	0	Na	0	0	Na	0	0	Na
Total	2,030	1,585	78%	6,649	6,284	95%	4,027	3,962	98%	766	658	86%	13,472	12,489	93%

Source: Equasis⁽¹⁾ 25,000≤GT<60,000

Graph 129 -Proportion of inspected large ships, by age

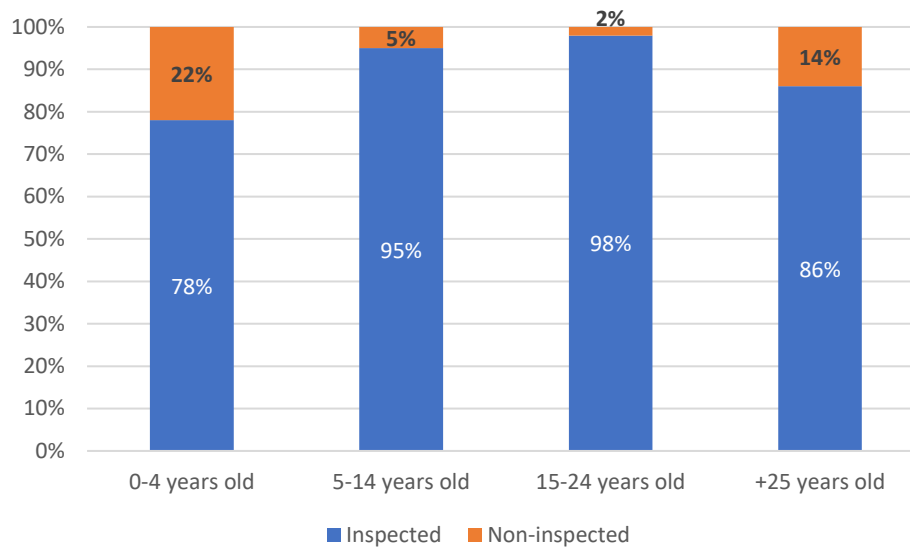
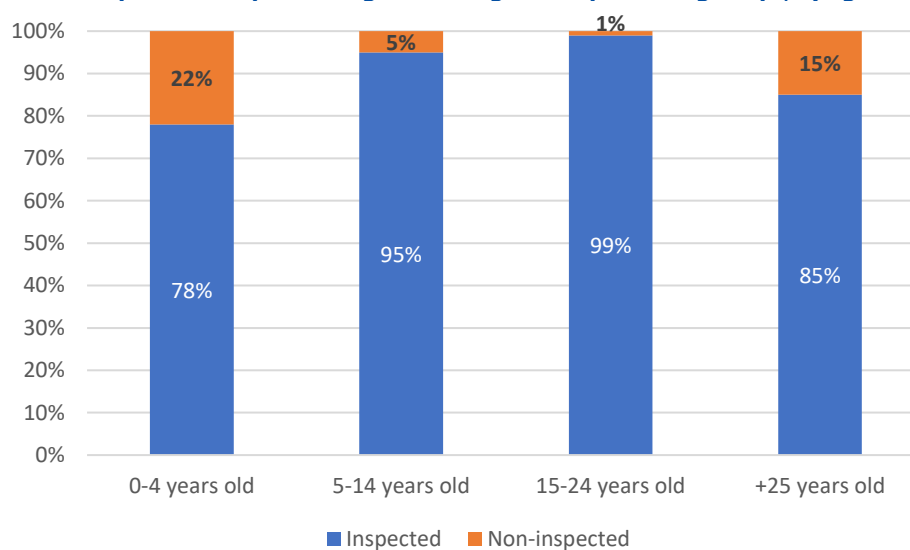


Table 131 - Gross tonnage (in 1000 GT) of large⁽¹⁾ ships with and without inspections, by PSC type and age

PSC Ship type	0-4 years old			5-14 years old			15-24 years old			+25 years old			All ages		
	Global	Inspected		Global	Inspected		Global	Inspected		Global	Inspected		Global	Inspected	
Bulk Carrier	46,413	36,109	77.8%	153,577	145,956	95.0%	50,928	50,794	99.7%	9,410	8,092	86.0%	260,328	240,951	92.6%
Chemical Tanker	0	0	0.0%	0	0	0.0%	0	0	0.0%	56	56	100.0%	56	56	100.0%
Combination Carrier	0	0	Na	0	0	Na	0	0	Na	0	0	Na	0	0	Na
Container	6,063	3,818	63.0%	23,660	22,568	95.4%	29,389	29,389	100.0%	3,552	3,415	96.1%	62,665	59,189	94.5%
Gas Carrier	5,601	4,086	73.0%	9,198	9,198	100.0%	4,386	4,386	100.0%	1,518	1,342	88.4%	20,703	19,012	91.8%
General Cargo/Multipurpose	1,515	1,394	92.0%	5,282	5,282	100.0%	1,472	1,472	100.0%	1,435	1,397	97.3%	9,705	9,546	98.4%
Heavy Load	270	270	100.0%	786	728	92.6%	296	296	100.0%	798	798	100.0%	2,150	2,092	97.3%
NLS Tanker	10,458	9,466	90.5%	23,707	22,697	95.7%	13,989	13,647	97.6%	505	448	88.7%	48,659	46,258	95.1%
Offshore Supply	29	0	0.0%	721	534	74.0%	182	122	67.2%	85	46	53.8%	1,016	702	69.0%
Oil Tanker	1,163	838	72.0%	16,649	15,578	93.6%	31,068	30,206	97.2%	2,569	1,512	58.9%	51,449	48,134	93.6%
Other	235	164	69.8%	8,589	8,589	100.0%	10,685	10,648	99.6%	2,189	2,164	98.8%	21,698	21,564	99.4%
Other Special Activities	2,209	1,665	75.4%	3,708	2,817	76.0%	3,141	2,802	89.2%	2,225	961	43.2%	11,283	8,246	73.1%
Passenger Ship	610	562	92.2%	599	599	100.0%	597	597	100.0%	743	743	100.0%	2,549	2,501	98.1%
Refrigerated Cargo	28	28	100.0%	121	121	100.0%	99	99	100.0%	113	32	28.4%	362	281	77.5%
Ro-Ro Cargo	617	551	89.3%	2,932	2,802	95.6%	1,355	1,355	100.0%	115	115	100.0%	5,019	4,824	96.1%
Ro-Ro Passenger Ship	1,278	794	62.1%	1,294	1,029	79.5%	3,288	2,865	87.2%	2,482	2,423	97.6%	8,342	7,111	85.2%
Special Purpose Ship	311	86	27.7%	201	201	100.0%	43	0	0.0%	166	97	58.3%	720	383	53.3%
Tug	0	0	Na	0	0	Na	0	0	Na	0	0	Na	0	0	Na
Total	76,798	59,831	78%	251,027	238,698	95%	150,917	148,678	99%	27,962	23,641	85%	506,703	470,848	93%

Source: Equasis⁽¹⁾ 25,000≤GT<60,000**Graph 130 - Proportion of gross tonnage for inspected large ships, by age**

VERY LARGE SHIPS

Table 132 - Total number of very large⁽¹⁾ ships with and without inspections, by age and size

PSC Ship type	0-4 years old			5-14 years old			15-24 years old			+25 years old			All ages		
	Global	Inspected		Global	Inspected		Global	Inspected		Global	Inspected		Global	Inspected	
Bulk Carrier	351	286	81.5%	1,281	1,279	99.8%	300	300	100.0%	3	2	66.7%	1,935	1,867	96.5%
Chemical Tanker	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
Combination Carrier	0	0	0.0%	0	0	0.0%	2	2	100.0%	0	0	0.0%	2	2	100.0%
Container	224	184	82.1%	865	865	100.0%	515	515	100.0%	20	20	100.0%	1,624	1,584	97.5%
Gas Carrier	173	147	85.0%	240	236	98.3%	177	174	98.3%	29	24	82.8%	619	581	93.9%
General Cargo/Multipurpose	0	0	Na	0	0	Na	0	0	Na	0	0	Na	0	0	Na
Heavy Load	4	0	0.0%	5	2	40.0%	0	0	0.0%	0	0	0.0%	9	2	22.2%
NLS Tanker	0	0	Na	0	0	Na	0	0	Na	0	0	Na	0	0	Na
Offshore Supply	1	0	0.0%	5	2	40.0%	1	0	0.0%	6	4	66.7%	13	6	46.2%
Oil Tanker	506	383	75.7%	1,179	1,150	97.5%	619	594	96.0%	47	30	63.8%	2,351	2,157	91.7%
Other	20	18	90.0%	140	140	100.0%	76	76	100.0%	7	7	100.0%	243	241	99.2%
Other Special Activities	29	4	13.8%	84	42	50.0%	56	22	39.3%	78	11	14.1%	247	79	32.0%
Passenger Ship	34	30	88.2%	63	63	100.0%	79	78	98.7%	21	21	100.0%	197	192	97.5%
Refrigerated Cargo	1	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	1	0	0.0%
Ro-Ro Cargo	19	18	94.7%	13	13	100.0%	2	0	0.0%	0	0	0.0%	34	31	91.2%
Ro-Ro Passenger Ship	2	1	50.0%	2	2	100.0%	4	4	100.0%	0	0	0.0%	8	7	87.5%
Special Purpose Ship	0	0	0.0%	1	1	100.0%	4	4	100.0%	2	2	100.0%	7	7	100.0%
Tug	0	0	Na	0	0	Na	0	0	Na	0	0	Na	0	0	Na
Total	1,364	1,071	79%	3,878	3,795	98%	1,835	1,769	96%	213	121	57%	7,290	6,756	93%

Source: Equasis⁽¹⁾ GT≥60,000

Graph 131 -Proportion of inspected very large ships, by age

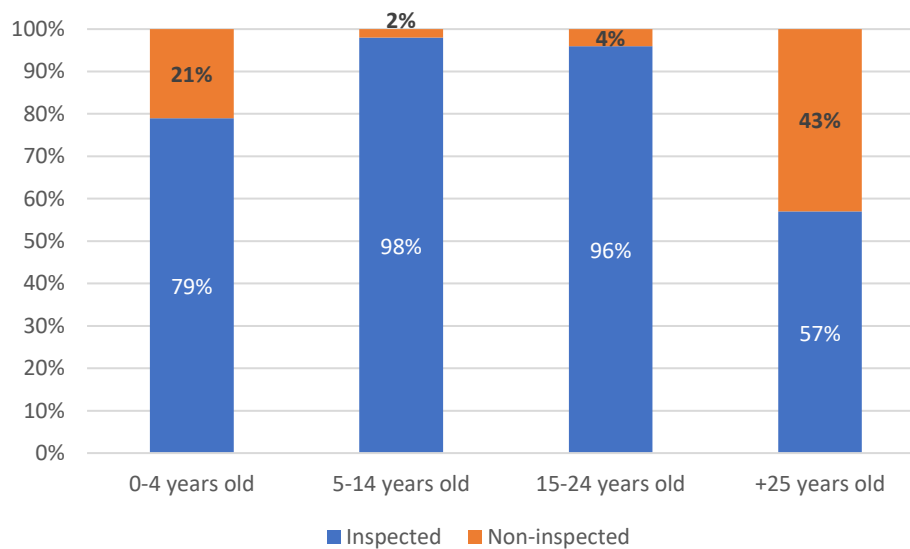
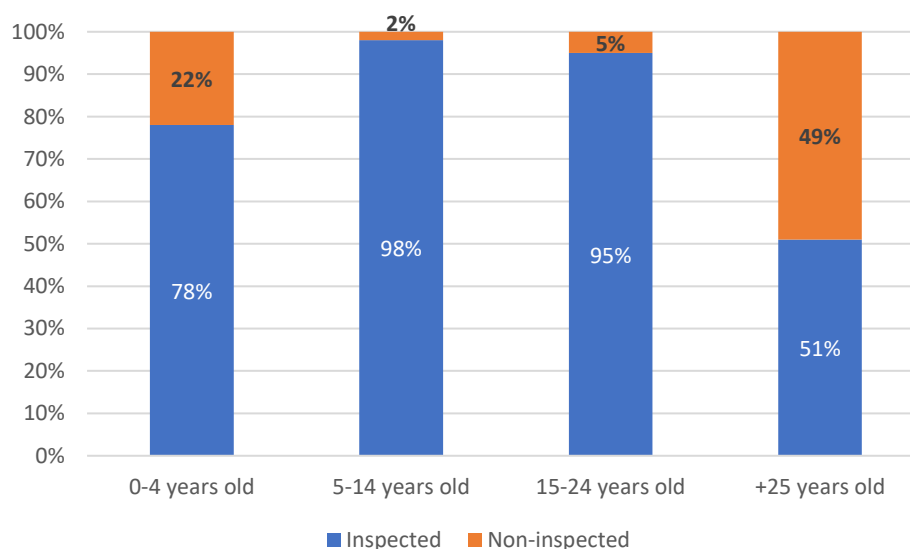


Table 133 - Gross tonnage (in 1000 GT) of very large⁽¹⁾ ships with and without inspections, by age and size

PSC Ship type	0-4 years old			5-14 years old			15-24 years old			+25 years old			All ages		
	Global	Inspected		Global	Inspected		Global	Inspected		Global	Inspected		Global	Inspected	
Bulk Carrier	40,900	33,281	81.4%	130,379	130,253	99.9%	28,062	28,062	100.0%	287	223	77.6%	199,629	191,820	96.1%
Chemical Tanker	0	0	Na	0	0	Na	0	0	Na	0	0	Na	0	0	Na
Combination Carrier	0	0	0.0%	0	0	0.0%	142	142	100.0%	0	0	0.0%	142	142	100.0%
Container	37,166	30,493	82.0%	106,743	106,743	100.0%	43,108	43,108	100.0%	1,567	1,567	100.0%	188,584	181,911	96.5%
Gas Carrier	19,570	16,852	86.1%	27,912	27,457	98.4%	19,002	18,703	98.4%	3,026	2,470	81.6%	69,509	65,482	94.2%
General Cargo/Multipurpose	0	0	Na	0	0	Na	0	0	Na	0	0	Na	0	0	Na
Heavy Load	282	0	0.0%	371	176	47.5%	0	0	0.0%	0	0	0.0%	654	176	27.0%
NLS Tanker	0	0	Na	0	0	Na	0	0	Na	0	0	Na	0	0	Na
Offshore Supply	251	0	0.0%	403	200	49.6%	124	0	0.0%	576	415	72.0%	1,354	615	45.4%
Oil Tanker	53,484	39,553	74.0%	123,405	120,267	97.5%	68,536	65,415	95.4%	5,226	3,294	63.0%	250,652	228,528	91.2%
Other	1,403	1,259	89.8%	9,467	9,467	100.0%	4,857	4,857	100.0%	485	485	100.0%	16,211	16,068	99.1%
Other Special Activities	3,890	463	11.9%	8,436	3,856	45.7%	7,260	2,764	38.1%	9,714	1,200	12.4%	29,301	8,284	28.3%
Passenger Ship	5,304	4,735	89.3%	8,245	8,245	100.0%	7,744	7,664	99.0%	1,629	1,629	100.0%	22,923	22,274	97.2%
Refrigerated Cargo	71	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	71	0	0.0%
Ro-Ro Cargo	1,240	1,150	92.8%	1,080	1,080	100.0%	131	0	0.0%	0	0	0.0%	2,451	2,230	91.0%
Ro-Ro Passenger Ship	135	65	48.2%	128	128	100.0%	278	278	100.0%	0	0	0.0%	541	471	87.1%
Special Purpose Ship	0	0	0.0%	403	403	100.0%	354	354	100.0%	212	212	100.0%	969	969	100.0%
Tug	0	0	Na	0	0	Na	0	0	Na	0	0	Na	0	0	Na
Total	163,698	127,853	78%	416,972	408,275	98%	179,598	171,346	95%	22,722	11,495	51%	782,990	718,969	92%

Source: Equasis - ⁽¹⁾ GT≥60,000**Graph 132 -Proportion of gross tonnage for inspected very large ships, by age**

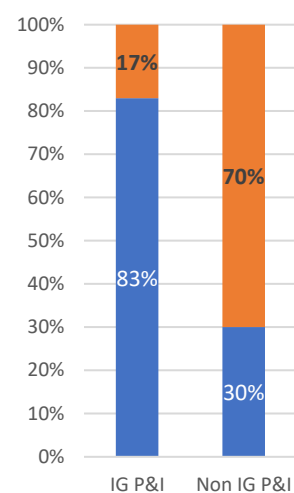
5.3. SHIPS INSPECTED BETWEEN 2020 AND 2022 – BY P&I

WORLD FLEET GT≥500

Table 134 - Total number of ships GT≥500 with and without inspections, by PSC type and P&I status

PSC Ship type	IGP&I			NON IGP&I			All status		
	Global	Inspected		Global	Inspected		Global	Inspected	
Bulk Carrier	10,242	9,896	96.6%	2,030	964	47.5%	12,272	10,860	88.5%
Chemical Tanker	108	63	58.3%	311	58	18.6%	419	121	28.9%
Combination Carrier	7	4	57.1%	31	16	51.6%	38	20	52.6%
Container	5,002	4,789	95.7%	711	343	48.2%	5,713	5,132	89.8%
Gas Carrier	1,774	1,614	91.0%	473	181	38.3%	2,247	1,795	79.9%
General Cargo/Multipurpose	3,917	3,540	90.4%	8,645	3,933	45.5%	12,562	7,473	59.5%
Heavy Load	174	162	93.1%	32	14	43.8%	206	176	85.4%
NLS Tanker	4,177	3,928	94.0%	818	498	60.9%	4,995	4,426	88.6%
Offshore Supply	3,029	1,461	48.2%	1,892	475	25.1%	4,921	1,936	39.3%
Oil Tanker	4,388	3,466	79.0%	3,673	1,080	29.4%	8,061	4,546	56.4%
Other	1,934	1,015	52.5%	5,151	487	9.5%	7,085	1,502	21.2%
Other Special Activities	1,323	767	58.0%	2,726	401	14.7%	4,049	1,168	28.8%
Passenger Ship	523	386	73.8%	509	51	10.0%	1,032	437	42.3%
Refrigerated Cargo	520	336	64.6%	851	327	38.4%	1,371	663	48.4%
Ro-Ro Cargo	350	313	89.4%	293	118	40.3%	643	431	67.0%
Ro-Ro Passenger Ship	806	431	53.5%	1,599	191	11.9%	2,405	622	25.9%
Special Purpose Ship	167	117	70.1%	308	28	9.1%	475	145	30.5%
Tug	416	118	28.4%	504	68	13.5%	920	186	20.2%
Total	38,857	32,406	83%	30,557	9,233	30%	69,414	41,639	60%

Source: Equasis

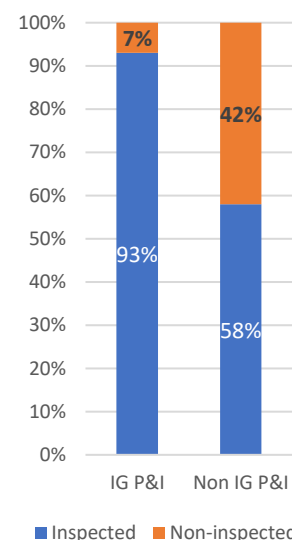


Graph 133 – Proportion of inspected ships GT≥500 by P&I

Table 135 - Gross tonnage (in 1000 GT) of ships GT≥500 with and without inspections, by PSC type and P&I status

PSC Ship type	IGP&I			NON IGP&I			All status		
	Global	Inspected		Global	Inspected		Global	Inspected	
Bulk Carrier	476,356	459,684	96.5%	37,443	19,822	52.9%	513,799	479,506	93.3%
Chemical Tanker	556	412	74.2%	605	159	26.3%	1,161	571	49.2%
Combination Carrier	158	147	92.9%	85	45	53.0%	243	192	79.0%
Container	267,629	260,880	97.5%	12,792	5,519	43.1%	280,421	266,400	95.0%
Gas Carrier	92,640	87,308	94.2%	4,961	3,742	75.4%	97,601	91,050	93.3%
General Cargo/Multipurpose	38,282	36,938	96.5%	25,885	15,540	60.0%	64,168	52,477	81.8%
Heavy Load	4,020	3,637	90.5%	478	95	20.0%	4,498	3,732	83.0%
NLS Tanker	72,733	69,604	95.7%	6,715	5,388	80.2%	79,448	74,992	94.4%
Offshore Supply	12,448	7,171	57.6%	4,080	1,198	29.4%	16,528	8,369	50.6%
Oil Tanker	263,441	239,882	91.1%	54,822	44,053	80.4%	318,263	283,935	89.2%
Other	39,889	37,913	95.0%	8,182	2,571	31.4%	48,072	40,484	84.2%
Other Special Activities	38,134	16,777	44.0%	12,388	3,157	25.5%	50,522	19,933	39.5%
Passenger Ship	26,457	25,733	97.3%	1,218	237	19.5%	27,675	25,970	93.8%
Refrigerated Cargo	3,195	2,572	80.5%	3,219	1,559	48.4%	6,414	4,131	64.4%
Ro-Ro Cargo	9,882	9,256	93.7%	2,255	1,048	46.5%	12,137	10,304	84.9%
Ro-Ro Passenger Ship	12,381	9,920	80.1%	6,157	1,345	21.9%	18,538	11,266	60.8%
Special Purpose Ship	2,652	2,221	83.8%	1,172	183	15.6%	3,824	2,404	62.9%
Tug	372	112	30.0%	412	64	15.4%	784	175	22.4%
Total	1,361,226	1,270,167	93%	182,869	105,725	58%	1,544,095	1,375,892	89%

Source: Equasis

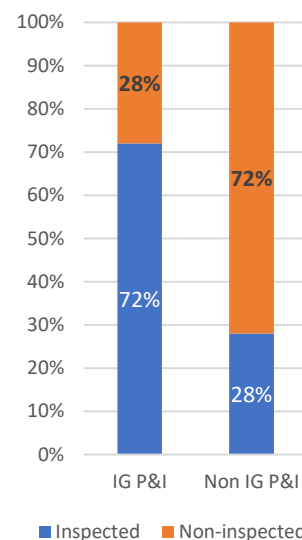


Graph 134 – Proportion of gross tonnage of inspected ships GT≥500 by P&I

MEDIUM SHIPS

Table 136 - Total number of medium sized⁽¹⁾ ships with and without inspections, by PSC type and P&I status

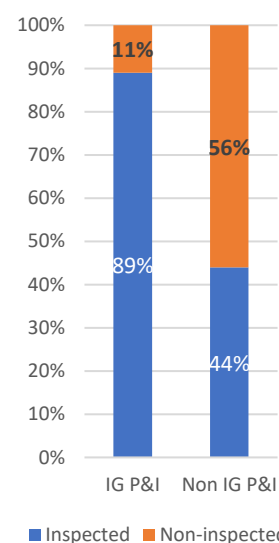
PSC Ship type	IGP&I			NON IGP&I			All status		
	Global	Inspected		Global	Inspected		Global	Inspected	
Bulk Carrier	2,054	2,000	97.4%	1,339	604	45.1%	3,393	2,604	76.7%
Chemical Tanker	106	61	57.5%	311	58	18.6%	417	119	28.5%
Combination Carrier	5	2	40.0%	31	16	51.6%	36	18	50.0%
Container	1,800	1,664	92.4%	605	294	48.6%	2,405	1,958	81.4%
Gas Carrier	743	645	86.8%	411	133	32.4%	1,154	778	67.4%
General Cargo/Multipurpose	3,638	3,264	89.7%	8,636	3,925	45.4%	12,274	7,189	58.6%
Heavy Load	115	107	93.0%	28	14	50.0%	143	121	84.6%
NLS Tanker	2,628	2,449	93.2%	727	418	57.5%	3,355	2,867	85.5%
Offshore Supply	2,994	1,439	48.1%	1,886	472	25.0%	4,880	1,911	39.2%
Oil Tanker	1,389	693	49.9%	3,104	559	18.0%	4,493	1,252	27.9%
Other	1,287	373	29.0%	5,122	459	9.0%	6,409	832	13.0%
Other Special Activities	912	537	58.9%	2,643	369	14.0%	3,555	906	25.5%
Passenger Ship	267	135	50.6%	505	48	9.5%	772	183	23.7%
Refrigerated Cargo	512	328	64.1%	847	326	38.5%	1,359	654	48.1%
Ro-Ro Cargo	187	159	85.0%	290	115	39.7%	477	274	57.4%
Ro-Ro Passenger Ship	584	236	40.4%	1,577	178	11.3%	2,161	414	19.2%
Special Purpose Ship	145	101	69.7%	304	27	8.9%	449	128	28.5%
Tug	416	118	28.4%	504	68	13.5%	920	186	20.2%
Total	19,782	14,311	72%	28,870	8,083	28%	48,652	22,394	46%

Source: Equasis ⁽¹⁾500≤GT<25,000

Graph 135 – Proportion of medium sized ships inspected by P&I

Table 137 - Gross tonnage (in 1000 GT) of medium sized⁽¹⁾ ships with and without inspections, by PSC type and P&I status

PSC Ship type	IGP&I			NON IGP&I			All status		
	Global	Inspected		Global	Inspected		Global	Inspected	
Bulk Carrier	40,264	39,441	98.0%	13,578	7,295	53.7%	53,842	46,736	86.8%
Chemical Tanker	500	356	71.3%	605	159	26.3%	1,105	515	46.6%
Combination Carrier	16	5	31.8%	85	45	53.0%	101	50	49.6%
Container	24,241	22,760	93.9%	4,931	2,539	51.5%	29,172	25,299	86.7%
Gas Carrier	6,157	5,757	93.5%	1,231	800	64.9%	7,389	6,556	88.7%
General Cargo/Multipurpose	28,840	27,616	95.8%	25,623	15,315	59.8%	54,463	42,932	78.8%
Heavy Load	1,486	1,369	92.1%	208	95	45.8%	1,694	1,465	86.5%
NLS Tanker	26,774	25,711	96.0%	4,015	3,023	75.3%	30,789	28,734	93.3%
Offshore Supply	10,496	5,954	56.7%	3,662	1,099	30.0%	14,158	7,053	49.8%
Oil Tanker	7,543	4,965	65.8%	8,620	2,308	26.8%	16,163	7,273	45.0%
Other	3,292	1,568	47.6%	6,870	1,284	18.7%	10,162	2,852	28.1%
Other Special Activities	3,624	2,294	63.3%	6,314	1,110	17.6%	9,939	3,404	34.3%
Passenger Ship	1,269	1,066	84.0%	934	130	13.9%	2,203	1,195	54.3%
Refrigerated Cargo	2,946	2,324	78.9%	3,035	1,527	50.3%	5,981	3,851	64.4%
Ro-Ro Cargo	2,543	2,333	91.7%	2,124	918	43.2%	4,667	3,251	69.6%
Ro-Ro Passenger Ship	4,234	2,745	64.8%	5,421	939	17.3%	9,655	3,684	38.2%
Special Purpose Ship	1,103	924	83.7%	1,032	128	12.4%	2,135	1,052	49.3%
Tug	372	112	30.0%	412	64	15.4%	784	175	22.4%
Total	165,702	147,300	89%	88,700	38,776	44%	254,403	186,076	73%

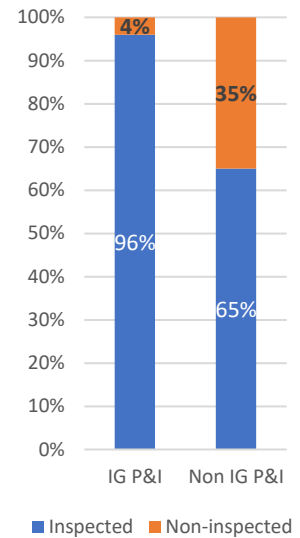
Source: Equasis ⁽¹⁾500≤GT<25,000

Graph 136 – Proportion of gross tonnage of medium sized ships inspected by P&I

LARGE SHIPS

Table 138 - Total number of large ships with and without inspections, by PSC type and P&I status

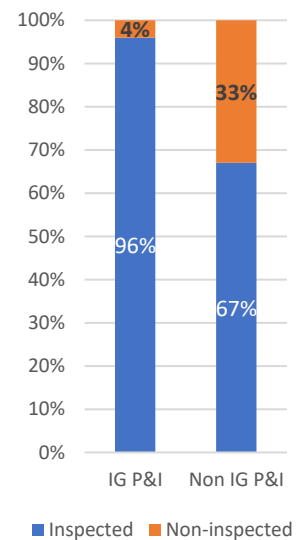
PSC Ship type	IGP&I			NON IGP&I			All status		
	Global	Inspected		Global	Inspected		Global	Inspected	
Bulk Carrier	6,266	6,035	96.3%	678	354	52.2%	6,944	6,389	92.0%
Chemical Tanker	2	2	100.0%	0	0	Na	2	2	100.0%
Combination Carrier	0	0	Na	0	0	Na	0	0	Na
Container	1,615	1,560	96.6%	69	30	43.5%	1,684	1,590	94.4%
Gas Carrier	426	398	93.4%	48	38	79.2%	474	436	92.0%
General Cargo/Multipurpose	279	276	98.9%	9	8	88.9%	288	284	98.6%
Heavy Load	54	53	98.1%	0	0	Na	54	53	98.1%
NLS Tanker	1,549	1,479	95.5%	91	80	87.9%	1,640	1,559	95.1%
Offshore Supply	23	16	69.6%	5	3	60.0%	28	19	67.9%
Oil Tanker	978	912	93.3%	239	225	94.1%	1,217	1,137	93.4%
Other	405	402	99.3%	28	27	96.4%	433	429	99.1%
Other Special Activities	209	168	80.4%	38	15	39.5%	247	183	74.1%
Passenger Ship	60	59	98.3%	3	3	100.0%	63	62	98.4%
Refrigerated Cargo	8	8	100.0%	3	1	33.3%	11	9	81.8%
Ro-Ro Cargo	129	123	95.3%	3	3	100.0%	132	126	95.5%
Ro-Ro Passenger Ship	214	188	87.9%	22	13	59.1%	236	201	85.2%
Special Purpose Ship	15	9	60.0%	4	1	25.0%	19	10	52.6%
Tug	0	0	Na	0	0	Na	0	0	Na
Total	12,232	11,688	96%	1,240	801	65%	13,472	12,489	93%

Source: Equasis⁽¹⁾ 25,000≤GT<60,000

Graph 137 – Proportion of large ships inspected by P&I

Table 139 - Gross tonnage (in 1000 GT) of large⁽¹⁾ ships with and without inspections, by PSC type and P&I status

PSC Ship type	IGP&I			NON IGP&I			All status		
	Global	Inspected		Global	Inspected		Global	Inspected	
Bulk Carrier	237,637	228,958	96.3%	22,691	11,992	52.9%	260,328	240,951	92.6%
Chemical Tanker	56	56	100.0%	0	0	Na	56	56	100.0%
Combination Carrier	0	0	Na	0	0	Na	0	0	Na
Container	60,294	58,205	96.5%	2,371	985	41.5%	62,665	59,189	94.5%
Gas Carrier	18,550	17,298	93.2%	2,153	1,714	79.6%	20,703	19,012	91.8%
General Cargo/Multipurpose	9,442	9,321	98.7%	263	225	85.5%	9,705	9,546	98.4%
Heavy Load	2,150	2,092	97.3%	0	0	Na	2,150	2,092	97.3%
NLS Tanker	45,959	43,893	95.5%	2,700	2,365	87.6%	48,659	46,258	95.1%
Offshore Supply	849	602	70.9%	167	99	59.4%	1,016	702	69.0%
Oil Tanker	40,567	37,851	93.3%	10,882	10,283	94.5%	51,449	48,134	93.6%
Other	20,458	20,350	99.5%	1,240	1,214	97.9%	21,698	21,564	99.4%
Other Special Activities	9,432	7,525	79.8%	1,851	721	38.9%	11,283	8,246	73.1%
Passenger Ship	2,441	2,394	98.0%	107	107	100.0%	2,549	2,501	98.1%
Refrigerated Cargo	249	249	100.0%	113	32	28.4%	362	281	77.5%
Ro-Ro Cargo	4,889	4,693	96.0%	130	130	100.0%	5,019	4,824	96.1%
Ro-Ro Passenger Ship	7,606	6,704	88.1%	736	407	55.3%	8,342	7,111	85.2%
Special Purpose Ship	580	329	56.7%	140	55	39.0%	720	383	53.3%
Tug	0	0	Na	0	0	Na	0	0	Na
Total	461,159	440,518	96%	45,545	30,329	67%	506,703	470,848	93%

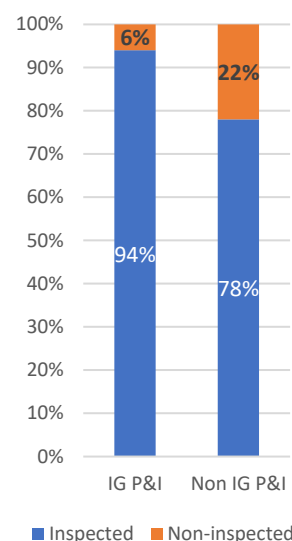
Source: Equasis⁽¹⁾ - 25,000≤GT<60,000

Graph 138 – Proportion of gross tonnage of large ships inspected by P&I

VERY LARGE SHIPS

Table 140 - Total number of very large⁽¹⁾ ships with and without inspections, by PSC type and P&I status

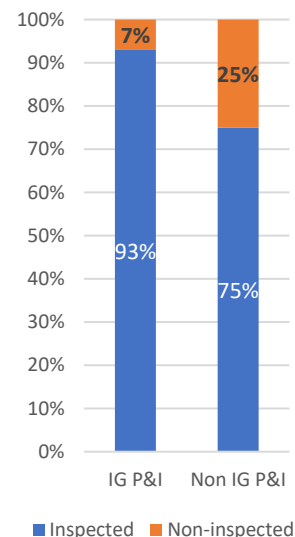
PSC Ship type	IGP&I			NON IGP&I			All status		
	Global	Inspected		Global	Inspected		Global	Inspected	
Bulk Carrier	1,922	1,861	96.8%	13	6	46.2%	1,935	1,867	96.5%
Chemical Tanker	0	0	Na	0	0	Na	0	0	Na
Combination Carrier	2	2	100.0%	0	0	Na	2	2	100.0%
Container	1,587	1,565	98.6%	37	19	51.4%	1,624	1,584	97.5%
Gas Carrier	605	571	94.4%	14	10	71.4%	619	581	93.9%
General Cargo/Multipurpose	0	0	Na	0	0	Na	0	0	Na
Heavy Load	5	2	40.0%	4	0	0.0%	9	2	22.2%
NLS Tanker	0	0	Na	0	0	Na	0	0	Na
Offshore Supply	12	6	50.0%	1	0	0.0%	13	6	46.2%
Oil Tanker	2,021	1,861	92.1%	330	296	89.7%	2,351	2,157	91.7%
Other	242	240	99.2%	1	1	100.0%	243	241	99.2%
Other Special Activities	202	62	30.7%	45	17	37.8%	247	79	32.0%
Passenger Ship	196	192	98.0%	1	0	0.0%	197	192	97.5%
Refrigerated Cargo	0	0	Na	1	0	0.0%	1	0	0.0%
Ro-Ro Cargo	34	31	91.2%	0	0	Na	34	31	91.2%
Ro-Ro Passenger Ship	8	7	87.5%	0	0	Na	8	7	87.5%
Special Purpose Ship	7	7	100.0%	0	0	Na	7	7	100.0%
Tug	0	0	Na	0	0	Na	0	0	Na
Total	6,843	6,407	94%	447	349	78%	7,290	6,756	93%

Source: Equasis - ⁽¹⁾ GT≥60,000

Graph 139 – Proportion of very large ships inspected by P&I

Table 141 - Gross tonnage (in 1000 GT) of very large⁽¹⁾ ships with and without inspections, by PSC type and P&I status

PSC Ship type	IGP&I			NON IGP&I			All status		
	Global	Inspected		Global	Inspected		Global	Inspected	
Bulk Carrier	198,455	191,285	96.4%	1,174	534	45.5%	199,629	191,820	96.1%
Chemical Tanker	0	0	Na	0	0	Na	0	0	Na
Combination Carrier	142	142	100.0%	0	0	Na	142	142	100.0%
Container	183,094	179,916	98.3%	5,490	1,996	36.3%	188,584	181,911	96.5%
Gas Carrier	67,933	64,253	94.6%	1,577	1,228	77.9%	69,509	65,482	94.2%
General Cargo/Multipurpose	0	0	Na	0	0	Na	0	0	Na
Heavy Load	384	176	45.9%	270	0	0.0%	654	176	27.0%
NLS Tanker	0	0	Na	0	0	Na	0	0	Na
Offshore Supply	1,102	615	55.7%	251	0	0.0%	1,354	615	45.4%
Oil Tanker	215,332	197,065	91.5%	35,320	31,463	89.1%	250,652	228,528	91.2%
Other	16,139	15,995	99.1%	72	72	100.0%	16,211	16,068	99.1%
Other Special Activities	25,078	6,958	27.7%	4,223	1,326	31.4%	29,301	8,284	28.3%
Passenger Ship	22,746	22,274	97.9%	177	0	0.0%	22,923	22,274	97.2%
Refrigerated Cargo	0	0	Na	71	0	0.0%	71	0	0.0%
Ro-Ro Cargo	2,451	2,230	91.0%	0	0	Na	2,451	2,230	91.0%
Ro-Ro Passenger Ship	541	471	87.1%	0	0	Na	541	471	87.1%
Special Purpose Ship	969	969	100.0%	0	0	Na	969	969	100.0%
Tug	0	0	Na	0	0	Na	0	0	Na
Total	734,365	682,349	93%	48,624	36,619	75%	782,990	718,969	92%

Source: Equasis - ⁽¹⁾ GT≥60,000

Graph 140 – Proportion of gross tonnage of very large ships inspected by P&I

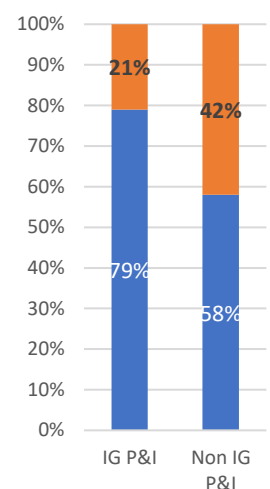
5.4. SHIPS INSPECTED BETWEEN 2020 AND 2022 – BY FLAG

WORLD FLEET GT≥500

Table 142 - Total number of ships GT≥500 with and without inspections, by PSC type and flag

PSC Ship type	Targeted Flag			Non-targeted Flag			All flags		
	Global	Inspected		Global	Inspected		Global	Inspected	
Bulk Carrier	830	813	98.0%	11,442	10,047	87.8%	12,272	10,860	88.5%
Chemical Tanker	16	9	56.3%	403	112	27.8%	419	121	28.9%
Combination Carrier	3	3	100.0%	35	17	48.6%	38	20	52.6%
Container	391	381	97.4%	5,322	4,751	89.3%	5,713	5,132	89.8%
Gas Carrier	206	204	99.0%	2,041	1,591	78.0%	2,247	1,795	79.9%
General Cargo/Multipurpose	1,727	1,602	92.8%	10,835	5,871	54.2%	12,562	7,473	59.5%
Heavy Load	4	4	100.0%	202	172	85.1%	206	176	85.4%
NLS Tanker	340	310	91.2%	4,655	4,116	88.4%	4,995	4,426	88.6%
Offshore Supply	521	329	63.1%	4,400	1,607	36.5%	4,921	1,936	39.3%
Oil Tanker	539	375	69.6%	7,522	4,171	55.5%	8,061	4,546	56.4%
Other	359	195	54.3%	6,726	1,307	19.4%	7,085	1,502	21.2%
Other Special Activities	340	157	46.2%	3,709	1,011	27.3%	4,049	1,168	28.8%
Passenger Ship	215	162	75.3%	817	275	33.7%	1,032	437	42.3%
Refrigerated Cargo	172	135	78.5%	1,199	528	44.0%	1,371	663	48.4%
Ro-Ro Cargo	155	143	92.3%	488	288	59.0%	643	431	67.0%
Ro-Ro Passenger Ship	446	205	46.0%	1,959	417	21.3%	2,405	622	25.9%
Special Purpose Ship	47	21	44.7%	428	124	29.0%	475	145	30.5%
Tug	86	34	39.5%	834	152	18.2%	920	186	20.2%
Total	6,397	5,082	79%	63,017	36,557	58%	69,414	41,639	60%

Source: Equasis

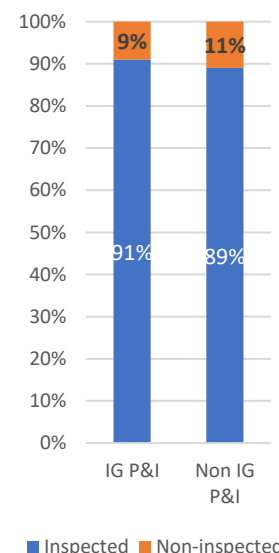


Graph 141 – Proportion of inspected ships GT≥500 by flag

Table 143 - Gross tonnage (in 1000 GT) of ships GT≥500 with and without inspections, by PSC type and flag

PSC Ship type	Targeted Flag			Non-targeted Flag			All flags		
	Global	Inspected		Global	Inspected		Global	Inspected	
Bulk Carrier	32,167	31,809	98.9%	481,631	447,697	93.0%	513,799	479,506	93.3%
Chemical Tanker	59	37	62.1%	1,101	534	48.5%	1,161	571	49.2%
Combination Carrier	11	11	100.0%	232	181	78.0%	243	192	79.0%
Container	7,600	7,494	98.6%	272,821	258,905	94.9%	280,421	266,400	95.0%
Gas Carrier	14,409	14,346	99.6%	83,193	76,704	92.2%	97,601	91,050	93.3%
General Cargo/Multipurpose	9,655	9,387	97.2%	54,513	43,090	79.0%	64,168	52,477	81.8%
Heavy Load	55	55	100.0%	4,442	3,677	82.8%	4,498	3,732	83.0%
NLS Tanker	4,525	4,318	95.4%	74,923	70,674	94.3%	79,448	74,992	94.4%
Offshore Supply	2,096	1,659	79.1%	14,432	6,710	46.5%	16,528	8,369	50.6%
Oil Tanker	20,270	18,562	91.6%	297,994	265,372	89.1%	318,263	283,935	89.2%
Other	5,623	5,409	96.2%	42,449	35,074	82.6%	48,072	40,484	84.2%
Other Special Activities	9,758	3,037	31.1%	40,764	16,896	41.4%	50,522	19,933	39.5%
Passenger Ship	12,239	12,079	98.7%	15,436	13,891	90.0%	27,675	25,970	93.8%
Refrigerated Cargo	1,258	1,161	92.3%	5,155	2,971	57.6%	6,414	4,131	64.4%
Ro-Ro Cargo	4,227	4,066	96.2%	7,910	6,238	78.9%	12,137	10,304	84.9%
Ro-Ro Passenger Ship	5,393	4,181	77.5%	13,146	7,085	53.9%	18,538	11,266	60.8%
Special Purpose Ship	431	365	84.5%	3,392	2,039	60.1%	3,824	2,404	62.9%
Tug	81	39	48.8%	703	136	19.3%	784	175	22.4%
Total	129,857	118,017	91%	1,414,239	1,257,875	89%	1,544,095	1,375,892	89%

Source: Equasis

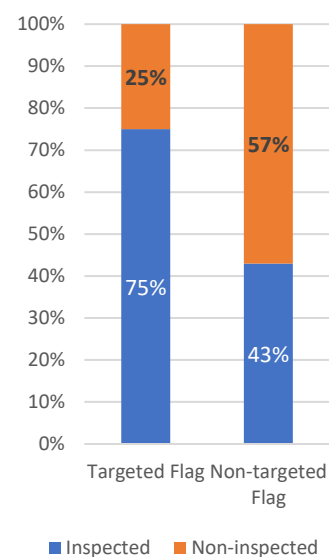


Graph 142 – Proportion of gross tonnage of inspected ships GT≥500 by flag

MEDIUM SIZED SHIPS

Table 144 - Total number of medium sized⁽¹⁾ ships with and without inspections, by PSC type and flag

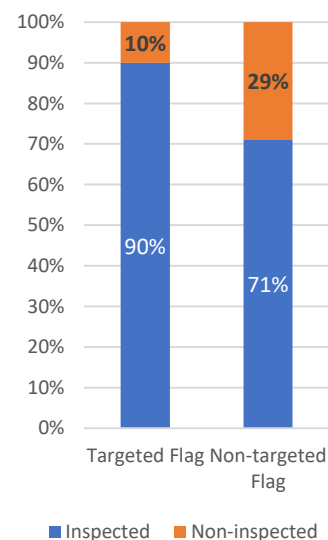
PSC Ship type	Targeted Flag			Non-targeted Flag			All flags		
	Global	Inspected		Global	Inspected		Global	Inspected	
Bulk Carrier	339	326	96.2%	3,054	2,278	74.6%	3,393	2,604	76.7%
Chemical Tanker	16	9	56.3%	401	110	27.4%	417	119	28.5%
Combination Carrier	3	3	100.0%	33	15	45.5%	36	18	50.0%
Container	296	286	96.6%	2,109	1,672	79.3%	2,405	1,958	81.4%
Gas Carrier	63	62	98.4%	1,091	716	65.6%	1,154	778	67.4%
General Cargo/Multipurpose	1,671	1,546	92.5%	10,603	5,643	53.2%	12,274	7,189	58.6%
Heavy Load	4	4	100.0%	139	117	84.2%	143	121	84.6%
NLS Tanker	251	225	89.6%	3,104	2,642	85.1%	3,355	2,867	85.5%
Offshore Supply	515	323	62.7%	4,365	1,588	36.4%	4,880	1,911	39.2%
Oil Tanker	277	129	46.6%	4,216	1,123	26.6%	4,493	1,252	27.9%
Other	267	103	38.6%	6,142	729	11.9%	6,409	832	13.0%
Other Special Activities	261	131	50.2%	3,294	775	23.5%	3,555	906	25.5%
Passenger Ship	103	51	49.5%	669	132	19.7%	772	183	23.7%
Refrigerated Cargo	172	135	78.5%	1,187	519	43.7%	1,359	654	48.1%
Ro-Ro Cargo	83	72	86.7%	394	202	51.3%	477	274	57.4%
Ro-Ro Passenger Ship	350	122	34.9%	1,811	292	16.1%	2,161	414	19.2%
Special Purpose Ship	41	15	36.6%	408	113	27.7%	449	128	28.5%
Tug	86	34	39.5%	834	152	18.2%	920	186	20.2%
Total	4,798	3,576	75%	43,854	18,818	43%	48,652	22,394	46%

Source: Equasis ⁽¹⁾500≤GT<25,000

Graph 143 – Proportion of medium sized ships inspected by flag

Table 145 - Gross tonnage (in 1000 GT) of medium sized⁽¹⁾ ships with and without inspections, by PSC type and flag

PSC Ship type	Targeted Flag			Non-targeted Flag			All flags		
	Global	Inspected		Global	Inspected		Global	Inspected	
Bulk Carrier	6,122	5,986	97.8%	47,720	40,749	85.4%	53,842	46,736	86.8%
Chemical Tanker	59	37	62.1%	1,045	478	45.7%	1,105	515	46.6%
Combination Carrier	11	11	100.0%	90	39	43.4%	101	50	49.6%
Container	3,167	3,062	96.7%	26,005	22,237	85.5%	29,172	25,299	86.7%
Gas Carrier	587	575	97.9%	6,801	5,981	87.9%	7,389	6,556	88.7%
General Cargo/Multipurpose	7,717	7,448	96.5%	46,746	35,483	75.9%	54,463	42,932	78.8%
Heavy Load	55	55	100.0%	1,639	1,409	86.0%	1,694	1,465	86.5%
NLS Tanker	1,953	1,862	95.4%	28,836	26,872	93.2%	30,789	28,734	93.3%
Offshore Supply	1,791	1,353	75.6%	12,368	5,700	46.1%	14,158	7,053	49.8%
Oil Tanker	934	689	73.8%	15,229	6,584	43.2%	16,163	7,273	45.0%
Other	624	410	65.8%	9,538	2,442	25.6%	10,162	2,852	28.1%
Other Special Activities	822	577	70.2%	9,117	2,827	31.0%	9,939	3,404	34.3%
Passenger Ship	457	406	88.7%	1,746	789	45.2%	2,203	1,195	54.3%
Refrigerated Cargo	1,258	1,161	92.3%	4,723	2,690	57.0%	5,981	3,851	64.4%
Ro-Ro Cargo	850	779	91.6%	3,817	2,471	64.8%	4,667	3,251	69.6%
Ro-Ro Passenger Ship	1,983	1,295	65.3%	7,672	2,389	31.1%	9,655	3,684	38.2%
Special Purpose Ship	197	130	66.0%	1,938	922	47.6%	2,135	1,052	49.3%
Tug	81	39	48.8%	703	136	19.3%	784	175	22.4%
Total	28,669	25,877	90%	225,733	160,199	71%	254,403	186,076	73%

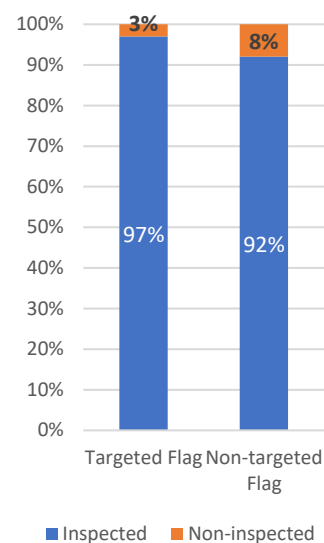
Source: Equasis ⁽¹⁾500≤GT<25,000

Graph 144 – Proportion of gross tonnage of medium sized ships inspected by flag

LARGE SHIPS

Table 146 - Total number of large⁽¹⁾ ships with and without inspections, by PSC type and flag

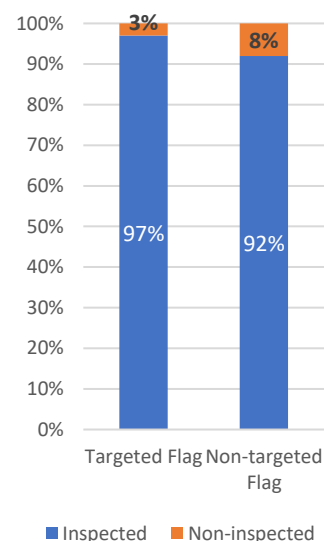
PSC Ship type	Targeted Flag			Non-targeted Flag			All flags		
	Global	Inspected		Global	Inspected		Global	Inspected	
Bulk Carrier	388	385	99.2%	6,556	6,004	91.6%	6,944	6,389	92.0%
Chemical Tanker	0	0	Na	2	2	100.0%	2	2	100.0%
Combination Carrier	0	0	Na	0	0	Na	0	0	Na
Container	70	70	100.0%	1,614	1,520	94.2%	1,684	1,590	94.4%
Gas Carrier	42	41	97.6%	432	395	91.4%	474	436	92.0%
General Cargo/Multipurpose	56	56	100.0%	232	228	98.3%	288	284	98.6%
Heavy Load	0	0	Na	54	53	98.1%	54	53	98.1%
NLS Tanker	89	85	95.5%	1,551	1,474	95.0%	1,640	1,559	95.1%
Offshore Supply	5	5	100.0%	23	14	60.9%	28	19	67.9%
Oil Tanker	84	79	94.0%	1,133	1,058	93.4%	1,217	1,137	93.4%
Other	76	76	100.0%	357	353	98.9%	433	429	99.1%
Other Special Activities	16	10	62.5%	231	173	74.9%	247	183	74.1%
Passenger Ship	23	23	100.0%	40	39	97.5%	63	62	98.4%
Refrigerated Cargo	0	0	Na	11	9	81.8%	11	9	81.8%
Ro-Ro Cargo	54	54	100.0%	78	72	92.3%	132	126	95.5%
Ro-Ro Passenger Ship	93	81	87.1%	143	120	83.9%	236	201	85.2%
Special Purpose Ship	5	5	100.0%	14	5	35.7%	19	10	52.6%
Tug	0	0	Na	0	0	Na	0	0	Na
Total	1,001	970	97%	12,471	11,519	92%	13,472	12,489	93%

Source: Equasis⁽¹⁾ 25,000≤GT<60,000

Graph 145 – Proportion of large ships inspected by flag

Table 147 - Gross tonnage (in 1000 GT) of large⁽¹⁾ ships with and without inspections, by PSC type and flag

PSC Ship type	Targeted Flag			Non-targeted Flag			All flags		
	Global	Inspected		Global	Inspected		Global	Inspected	
Bulk Carrier	15,347	15,218	99.2%	244,981	225,733	92.1%	260,328	240,951	92.6%
Chemical Tanker	0	0	Na	56	56	100.0%	56	56	100.0%
Combination Carrier	0	0	Na	0	0	Na	0	0	Na
Container	2,222	2,222	100.0%	60,443	56,968	94.3%	62,665	59,189	94.5%
Gas Carrier	1,938	1,888	97.4%	18,765	17,124	91.3%	20,703	19,012	91.8%
General Cargo/Multipurpose	1,938	1,938	100.0%	7,767	7,607	97.9%	9,705	9,546	98.4%
Heavy Load	0	0	Na	2,150	2,092	97.3%	2,150	2,092	97.3%
NLS Tanker	2,572	2,456	95.5%	46,087	43,802	95.0%	48,659	46,258	95.1%
Offshore Supply	203	203	100.0%	813	498	61.3%	1,016	702	69.0%
Oil Tanker	3,910	3,658	93.6%	47,539	44,476	93.6%	51,449	48,134	93.6%
Other	3,929	3,929	100.0%	17,769	17,635	99.2%	21,698	21,564	99.4%
Other Special Activities	668	444	66.4%	10,614	7,802	73.5%	11,283	8,246	73.1%
Passenger Ship	908	908	100.0%	1,640	1,593	97.1%	2,549	2,501	98.1%
Refrigerated Cargo	0	0	Na	362	281	77.5%	362	281	77.5%
Ro-Ro Cargo	2,131	2,131	100.0%	2,889	2,693	93.2%	5,019	4,824	96.1%
Ro-Ro Passenger Ship	3,212	2,758	85.9%	5,130	43,53	84.8%	8,342	7,111	85.2%
Special Purpose Ship	174	174	100.0%	546	210	38.4%	720	383	53.3%
Tug	0	0	Na	0	0	Na	0	0	Na
Total	39,153	37,927	97%	467,551	432,921	93%	506,703	470,848	93%

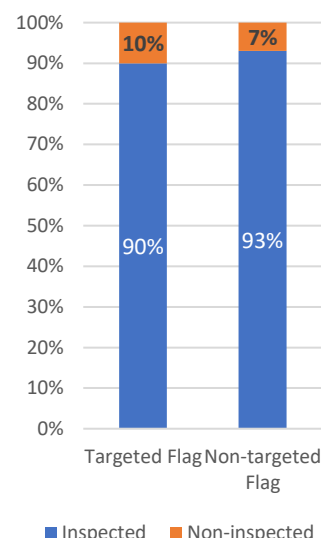
Source: Equasis⁽¹⁾ 25,000≤GT<60,000

Graph 146 – Proportion of gross tonnage of large ships inspected by flag

VERY LARGE SHIPS

Table 148 - Total number of very large⁽¹⁾ ships with and without inspections, by PSC type and flag

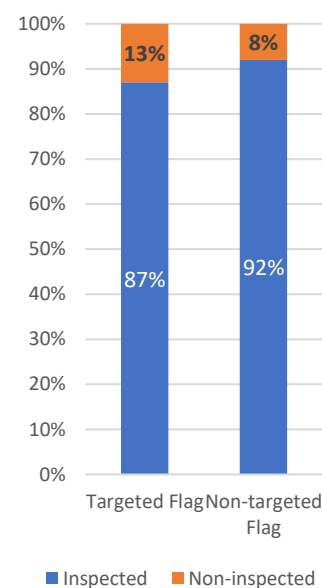
PSC Ship type	Targeted Flag			Non-targeted Flag			All flags		
	Global	Inspected		Global	Inspected		Global	Inspected	
Bulk Carrier	103	102	99.0%	1,832	1,765	96.3%	1,935	1,867	96.5%
Chemical Tanker	0	0	Na	0	0	Na	0	0	Na
Combination Carrier	0	0	Na	2	2	100.0%	2	2	100.0%
Container	25	25	100.0%	1,599	1,559	97.5%	1,624	1,584	97.5%
Gas Carrier	101	101	100.0%	518	480	92.7%	619	581	93.9%
General Cargo/Multipurpose	0	0	Na	0	0	Na	0	0	Na
Heavy Load	0	0	Na	9	2	22.2%	9	2	22.2%
NLS Tanker	0	0	Na	0	0	Na	0	0	Na
Offshore Supply	1	1	100.0%	12	5	41.7%	13	6	46.2%
Oil Tanker	178	167	93.8%	2,173	1,990	91.6%	2,351	2,157	91.7%
Other	16	16	100.0%	227	225	99.1%	243	241	99.2%
Other Special Activities	63	16	25.4%	184	63	34.2%	247	79	32.0%
Passenger Ship	89	88	98.9%	108	104	96.3%	197	192	97.5%
Refrigerated Cargo	0	0	Na	1	0	0.0%	1	0	0.0%
Ro-Ro Cargo	18	17	94.4%	16	14	87.5%	34	31	91.2%
Ro-Ro Passenger Ship	3	2	66.7%	5	5	100.0%	8	7	87.5%
Special Purpose Ship	1	1	100.0%	6	6	100.0%	7	7	100.0%
Tug	0	0	Na	0	0	Na	0	0	Na
Total	598	536	90%	6,692	6,220	93%	7,290	6,756	93%

Source: Equasis - ⁽¹⁾ GT≥60,000

Graph 147 – Proportion of very large ships inspected by flag

Table 149 - Gross tonnage (in 1000 GT) of very large⁽¹⁾ ships with and without inspections, by PSC type and flag

PSC Ship type	Targeted Flag			Non-targeted Flag			All flags		
	Global	Inspected		Global	Inspected		Global	Inspected	
Bulk Carrier	10,699	10,605	99.1%	188,930	181,214	95.9%	199,629	191,820	96.1%
Chemical Tanker	0	0	Na	0	0	Na	0	0	Na
Combination Carrier	0	0	Na	142	142	100.0%	142	142	100.0%
Container	2,211	2,211	100.0%	186,373	179,700	96.4%	188,584	181,911	96.5%
Gas Carrier	11,883	11,883	100.0%	57,626	53,599	93.0%	69,509	65,482	94.2%
General Cargo/Multipurpose	0	0	Na	0	0	Na	0	0	Na
Heavy Load	0	0	Na	654	176	27.0%	654	176	27.0%
NLS Tanker	0	0	Na	0	0	Na	0	0	Na
Offshore Supply	102	102	100.0%	1,251	513	41.0%	1,354	615	45.4%
Oil Tanker	15,426	14,215	92.2%	235,226	214,313	91.1%	250,652	228,528	91.2%
Other	1,070	1,070	100.0%	15,141	14,998	99.1%	16,211	16,068	99.1%
Other Special Activities	8,267	2,017	24.4%	21,033	6,267	29.8%	29,301	8,284	28.3%
Passenger Ship	10,873	10,765	99.0%	12,050	11,509	95.5%	22,923	22,274	97.2%
Refrigerated Cargo	0	0	Na	71	0	0.0%	71	0	0.0%
Ro-Ro Cargo	1,246	1,156	92.8%	1,205	1,074	89.2%	2,451	2,230	91.0%
Ro-Ro Passenger Ship	198	127	64.5%	343	343	100.0%	541	471	87.1%
Special Purpose Ship	61	61	100.0%	908	908	100.0%	969	969	100.0%
Tug	0	0	Na	0	0	Na	0	0	Na
Total	62,035	54,212	87%	720,954	664,756	92%	782,990	718,969	92%

Source: Equasis - ⁽¹⁾ GT≥60,000

Graph 148 – Proportion of gross tonnage of very large ships inspected by flag

5.5. PSC RECORDS OF RECOGNISED ORGANISATIONS

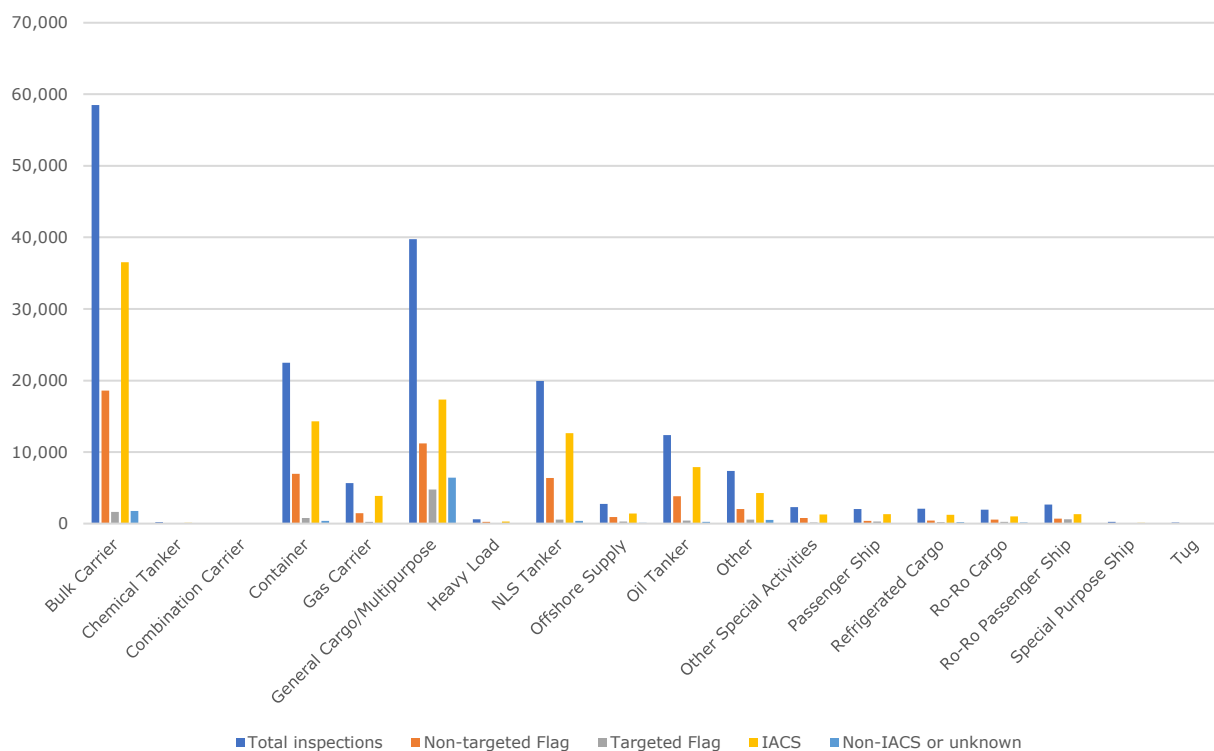
WORLD FLEET GT≥500

Table 150 - Total number of inspections with statutory certificates for ships GT≥500, by type of issuer

PSC Ship Type	Inspections with certificates	Issued by Flag		Issued by RO	
		Non-targeted Flag	Targeted Flag	IACS	Non-IACS or unknown
Bulk Carrier	58,511	18,572	1,631	36,550	1,758
Chemical Tanker	200	69	15	102	14
Combination Carrier	50	20	4	8	18
Container	22,465	6,949	806	14,313	397
Gas Carrier	5,663	1,462	256	3,866	79
General Cargo/ Multipurpose	39,768	11,221	4,780	17,347	6,420
Heavy Load	586	241	10	302	33
NLS Tanker	19,928	6,358	540	12,643	387
Offshore Supply	2,765	940	312	1,402	111
Oil Tanker	12,385	3,827	420	7,876	262
Other	7,362	2,054	541	4,261	506
Other Special Activities	2,306	783	164	1,277	82
Passenger Ship	2,038	372	311	1,314	41
Refrigerated Cargo	2,068	426	214	1,240	188
Ro-Ro Cargo	1,969	564	266	992	147
Ro-Ro Passenger Ship	2,655	683	608	1,309	55
Special Purpose Ship	239	76	22	132	9
Tug	174	57	14	84	19

Source: Equasis

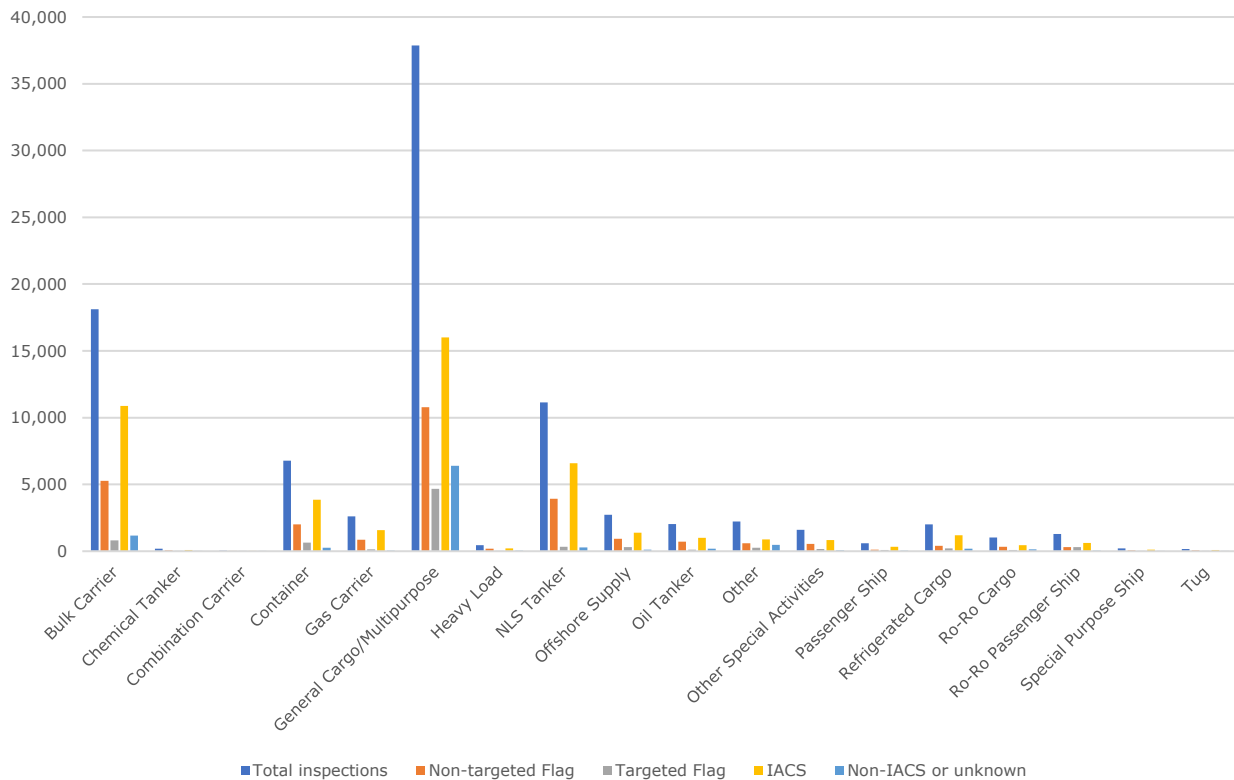
Graph 149 - Total number of inspections with statutory certificates for ships GT≥500, by flag issuer



MEDIUM SIZED SHIPS

Table 151 - Total number of inspections with statutory certificates for medium sized⁽¹⁾ ships, by type of issuer

PSC Ship Type	Inspections with certificates	Issued by Flag		Issued by RO	
		Non-targeted Flag	Targeted Flag	IACS	Non-IACS or unknown
Bulk Carrier	18,123	5,279	809	10,876	1,159
Chemical Tanker	196	67	15	100	14
Combination Carrier	39	15	4	2	18
Container	6,785	2,021	643	3,866	255
Gas Carrier	2,618	847	135	1,589	47
General Cargo/Multipurpose	37,873	10,792	4,673	16,008	6,400
Heavy Load	455	192	10	220	33
NLS Tanker	11,133	3,925	336	6,591	281
Offshore Supply	2,734	935	305	1,384	110
Oil Tanker	2,041	725	119	1,000	197
Other	2,219	605	251	883	480
Other Special Activities	1,600	546	157	824	73
Passenger Ship	587	125	93	333	36
Refrigerated Cargo	2,011	408	214	1,203	186
Ro-Ro Cargo	1,026	338	101	448	139
Ro-Ro Passenger Ship	1,293	315	302	623	53
Special Purpose Ship	217	69	18	123	7
Tug	174	57	14	84	19

Source: Equasis ⁽¹⁾500≤GT<25,000**Graph 150 - Total number of inspections with statutory certificates for medium sized ships, by flag issuer**

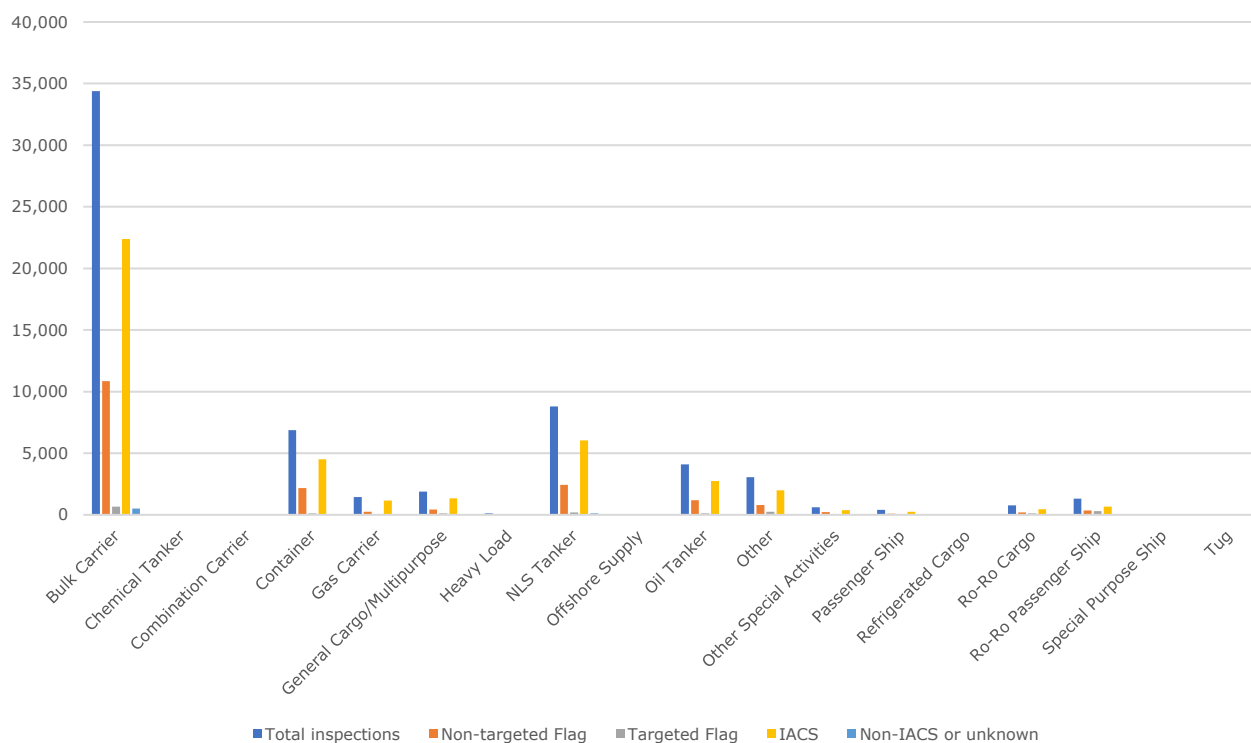
LARGE SHIPS

Table 152 - Total number of inspections with statutory certificates for large⁽¹⁾ ships, by type of issuer

PSC Ship Type	Inspections with certificates	Issued by Flag		Issued by RO	
		Non-targeted Flag	Targeted Flag	IACS	Non-IACS or unknown
Bulk Carrier	34,384	10,840	666	22,382	496
Chemical Tanker	4	2	0	2	0
Combination Carrier	0	0	0	0	0
Container	6,871	2,184	123	4,502	62
Gas Carrier	1,435	246	33	1,153	3
General Cargo/Multipurpose	1,895	429	107	1,339	20
Heavy Load	120	45	0	75	0
NLS Tanker	8,795	2,433	204	6,052	106
Offshore Supply	22	5	4	12	1
Oil Tanker	4,083	1,180	116	2,755	32
Other	3,051	795	237	1,998	21
Other Special Activities	604	214	5	377	8
Passenger Ship	392	80	72	239	1
Refrigerated Cargo	57	18	0	37	2
Ro-Ro Cargo	772	191	127	446	8
Ro-Ro Passenger Ship	1,310	352	296	660	2
Special Purpose Ship	18	5	4	7	2
Tug	0	0	0	0	0

Source: Equasis⁽¹⁾ 25,000 ≤ GT < 60,000

Graph 151 - Total number of inspections with statutory certificates for large ships, by flag issuer



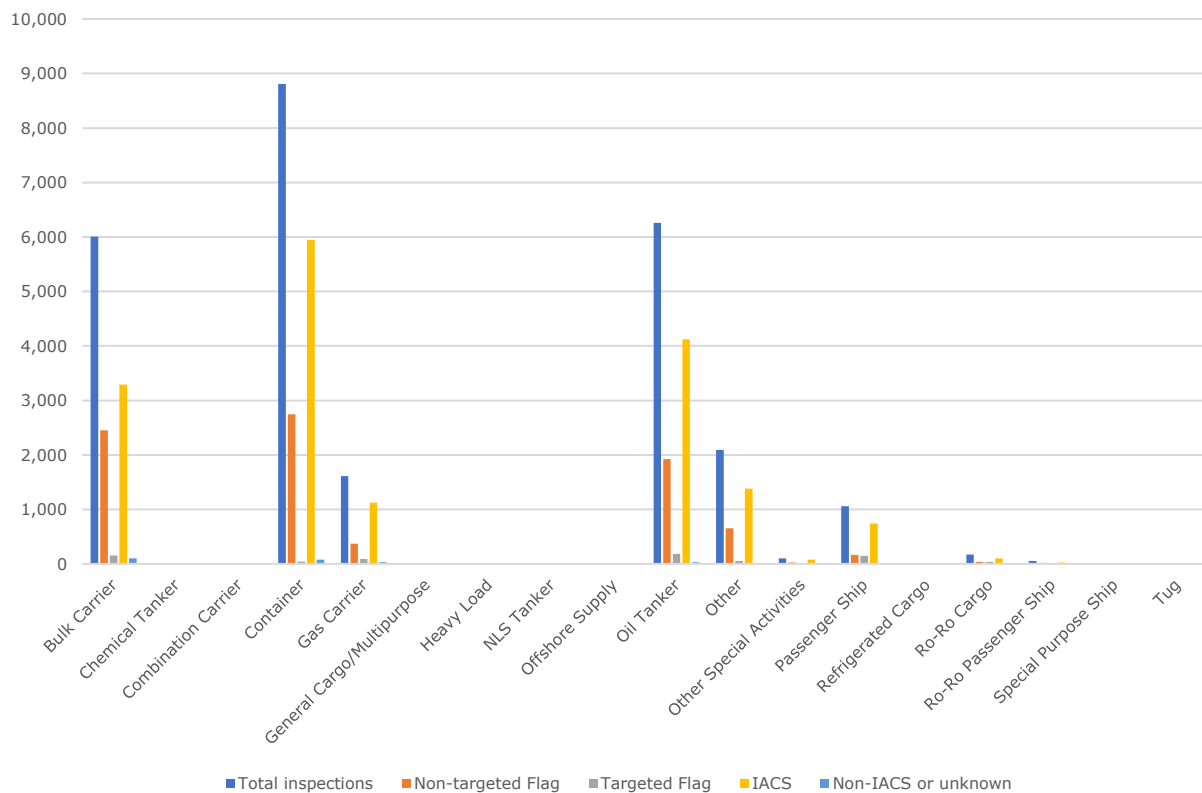
VERY LARGE SHIPS

Table 153 - Total number of inspections with statutory certificates for very large⁽¹⁾ ships, by type of issuer

PSC Ship Type	Inspections with certificates	Issued by Flag		Issued by RO	
		Non-targeted Flag	Targeted Flag	IACS	Non-IACS or unknown
Bulk Carrier	6,004	2,453	156	3,292	103
Chemical Tanker	0	0	0	0	0
Combination Carrier	11	5	0	6	0
Container	8,809	2,744	40	5,945	80
Gas Carrier	1,610	369	88	1,124	29
General Cargo/Multipurpose	0	0	0	0	0
Heavy Load	11	4	0	7	0
NLS Tanker	0	0	0	0	0
Offshore Supply	9	0	3	6	0
Oil Tanker	6,261	1,922	185	4,121	33
Other	2,092	654	53	1,380	5
Other Special Activities	102	23	2	76	1
Passenger Ship	1,059	167	146	742	4
Refrigerated Cargo	0	0	0	0	0
Ro-Ro Cargo	171	35	38	98	0
Ro-Ro Passenger Ship	52	16	10	26	0
Special Purpose Ship	4	2	0	2	0
Tug	0	0	0	0	0

Source: Equasis - ⁽¹⁾ GT≥60,000

Graph 152 - Total number of inspections with statutory certificates for very large ships, by flag issuer



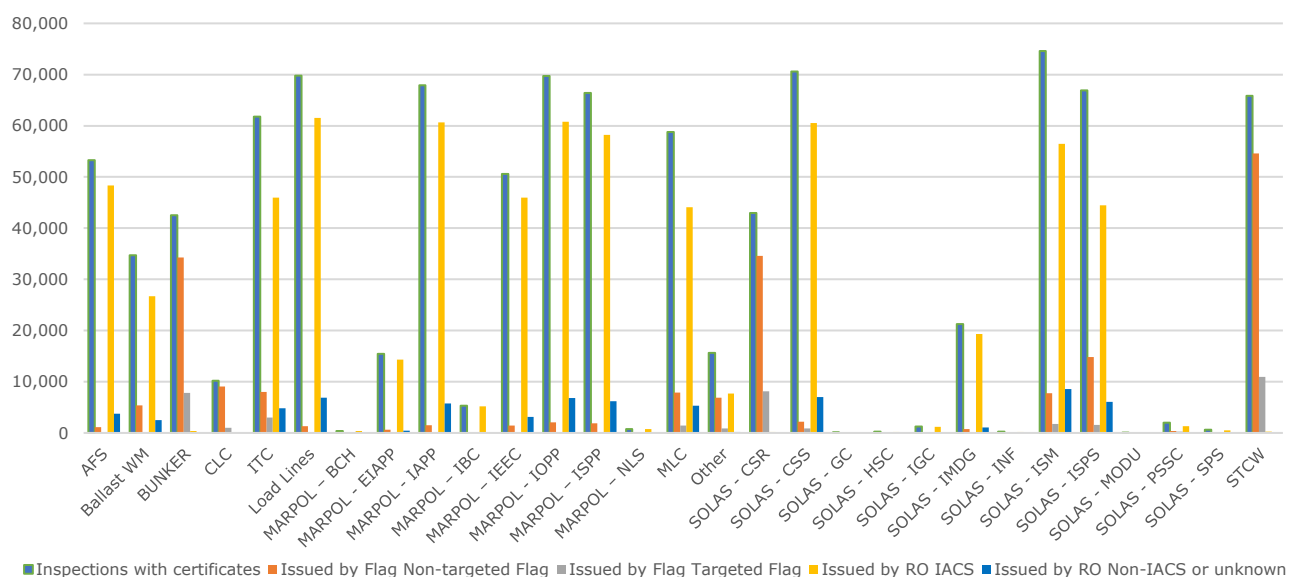
5.6. STATUTORY CERTIFICATES

Table 154 - Total number of inspections with statutory certificates for all ships, by type of certificates and issuer

Group of certificates	Inspections with certificates	Issued by Flag		Issued by RO	
		Non-targeted Flag	Targeted Flag	IACS	Non-IACS or unknown
AFS	53,263	1,142	52	48,320	3,749
Ballast WM	34,708	5,365	129	26,719	2,495
BUNKER	42,517	34,274	7,825	357	61
CLC	10,169	9,055	999	103	12
ITC	61,793	8,022	2,984	45,991	4,796
Load Lines	69,795	1,340	55	61,547	6,853
MARPOL – BCH	396	16	2	361	17
MARPOL – EIAPP	15,428	620	45	14,308	455
MARPOL – IAPP	67,933	1,510	26	60,653	5,744
MARPOL – IBC	5,311	49	4	5,209	49
MARPOL – IEEC	50,615	1,463	58	45,980	3,114
MARPOL – IOPP	69,754	2,082	59	60,786	6,827
MARPOL – ISPP	66,428	1,910	58	58,233	6,227
MARPOL – NLS	785	12	5	762	6
MLC	58,764	7,910	1,458	44,097	5,299
Other	15,651	6,885	888	7,673	205
SOLAS – CSR	42,957	34,556	8,150	171	80
SOLAS – CSS	70,617	2,187	903	60,514	7,013
SOLAS – GC	106	13	0	93	0
SOLAS – HSC	231	46	8	176	1
SOLAS – IGC	1,256	53	1	1,198	4
SOLAS – IMDG	21,236	767	56	19,315	1,098
SOLAS – INF	235	7	0	221	7
SOLAS – ISM	74,580	7,769	1,759	56,490	8,562
SOLAS – ISPS	66,900	14,823	1,562	44,475	6,040
SOLAS – MODU	21	0	0	21	0
SOLAS – PSSC	1,990	398	243	1,316	33
SOLAS – SPS	611	75	41	490	5
STCW	65,872	54,593	10,920	261	98

Source: Equasis

Graph 153 - Total number of inspections with statutory certificates for all ships, by type of certificates and issuer



Chapter 6

6. Trade Associations and Industry Vetting Programmes

INTRODUCTION

Several professional maritime trade associations and industry vetting programmes supply information to Equasis on ships covered by their schemes. Such schemes are either company-based or ship-based. The ship-based schemes (e.g., INTERTANKO) relate to certain ship types and aim to provide a mark of quality for ships covered by them. The company-based schemes (e.g., OCIMF) provide industry inspection reports.

For the relevant ship types to each scheme, the tables in Chapter 6.1 show the proportion of the fleet, by size category, covered by the schemes which provide information to Equasis.

The ship types covered by each scheme are detailed in Annex V.

The tables in Chapter 6.2 show the detention rates of ships covered by each of the schemes compared with ships of the same type that are outside these schemes.

Shipping Companies

For each ship, Equasis records the company that provides the operational management either:

- a) under third-party contract; or
- b) managing ships owned by itself or its associated companies.

In most cases the Company shown in the database is responsible for the operation of the ship and the duties and responsibilities imposed by the International Safety Management Code (ISM Code).

The Code applies to passenger ships and other ships of 500 GT (or greater) trading internationally.

The tables in Chapter 6.3 show the makeup of the fleet of ships in Equasis according to company fleet size, as measured by the size of the fleet they operate. The tables also show the detention rates of ships of 500 GT and above in each fleet size category.

The detention rate is the ratio between the number of detentions and the number of inspections in the PSC regimes providers to Equasis as listed in Chapter 5 in 2022.

RESULTS

Table 155 indicates that the coverage of ships by the trade associations and/or industry vetting programmes providing data to Equasis.

INTERTANKO covered slightly over a quarter (27%) of the total number of ships but less than half (47%) of the tonnage in the relevant ship categories.

INTERCARGO covered 13% of the total number of ships and 29% of the tonnage in the relevant ship categories.

The Chemical Distribution Institute (CDI) on had 31% of the total number of ships and a similar percentage 34% of tonnage coverage in the relevant ship categories.

Tables 157 to 160 suggest that ships covered by one of the trade associations and industry vetting programs are generally less subject to PSC inspections than those ships which are outside the trade associations, except for tankers – as we can see from the relevant fleets under INTERTANKO and OCIMF, particularly of larger size.

Moreover, the same tables show that ships within a trade association or industry vetting programme had a lower detention

rate than ships not covered by the standards of such associations. For example, the detention rate of tankers covered by OCIMF is in general five times lower than that of ships not monitored by OCIMF and more than eight times lower looking only at very large ships.

Table 161 shows that the majority (51.9%) of the companies included in the data collected by Equasis are operators to just one ship and that 82% of the companies are operators to five or less ships. On the other hand, only 1% of the companies operate more than 50 ships.

Table 162 reveals that ships operated by larger companies had a lower detention rate than those operated by smaller companies while also being subject to more inspections.

6.1. SCHEME STATUS

Table 155 - Total number of ships, by size and vetting programmes and trade associations

Scheme		Medium ⁽¹⁾		Large ⁽²⁾		Very Large ⁽³⁾		Total		
INTERTANKO	Within	1,067	12.3%	1,437	43.5%	1,518	52.2%	4,022	14,907	26.7%
	Outside	7,628	87.7%	1,865	56.5%	1,392	47.8%	10,885		73.1%
INTERCARGO	Within	431	2.7%	1,962	26.5%	816	42.1%	3,209	25,410	12.7%
	Outside	15,651	97.3%	5,429	73.5%	1,121	57.9%	22,201		87.3%
InterManager	Within	423	1.8%	809	7.9%	309	7.3%	1,541	38,041	4%
	Outside	23,172	98.2%	9,409	92.1%	3,919	92.7%	36,500		96%
Green Award	Within	49	0.4%	21	0.2%	158	3.3%	228	27,848	0.8%
	Outside	12,547	99.6%	10,384	99.8%	4,689	96.7%	27,620		99.2%
CDI	Within	1,559	32.1%	589	28.0%	0	0.0%	2,148	6,977	30.8%
	Outside	3,299	67.9%	1,518	72.0%	12	100.0%	4,829		69.2%
OCIMF	Within	4,055	46.6%	3,048	92.3%	2,649	91.0%	9,752	14,907	65.4%
	Outside	4,640	53.4%	254	7.7%	261	9.0%	5,155		34.6%

Source: Equasis ⁽¹⁾ 500≤GT<25,000 - ⁽²⁾ 25,000≤GT<60,000 - ⁽³⁾ GT≥60,000

Table 156 - Gross tonnage (in 1000 GT) of ships, by size and vetting programmes and trade associations

Scheme		Medium ⁽¹⁾		Large ⁽²⁾		Very Large ⁽³⁾		Total		
INTERTANKO	Within	13,622	25.4%	51,446	43.0%	162,114	51.9%	227,182	485,616	46.8%
	Outside	39,917	74.6%	68,096	57.0%	150,421	48.1%	258,434		53.2%
INTERCARGO	Within	9273	8.3%	75489	27.2%	83454	41.8%	168216	589,256	28.5%
	Outside	102,956	91.7%	201,767	72.8%	116,317	58.2%	421,040		71.5%
InterManager	Within	6,268	4.0%	28,501	7.6%	29,603	6.7%	64,372	976,990	6.6%
	Outside	151,857	96.0%	347,568	92.4%	413,193	93.3%	912,618		93.4%
Green Award	Within	361	0.3%	904	0.2%	15,849	3.1%	17,114	1,009,330	1.7%
	Outside	109,571	99.7%	386,189	99.8%	496,457	96.9%	992,216		98.3%
CDI	Within	15,890	41.0%	21,315	30.9%	0	0.0%	37,205	108,591	34.2%
	Outside	22,912	59.0%	47,744	69.1%	730	100.0%	71,386		65.8%
OCIMF	Within	36,921	69.0%	109,712	91.8%	281,575	90.1%	428,208	485,616	88.1%
	Outside	16,618	31.0%	9,830	8.2%	30,960	9.9%	57,408		11.9%

Source: Equasis ⁽¹⁾ 500≤GT<25,000 - ⁽²⁾ 25,000≤GT<60,000 - ⁽³⁾ GT≥60,000

6.2. SAFETY PERFORMANCE

WORLD FLEET GT≥500

Table 157 - Safety performance of ships, by inspections and detentions rates^(*) - 2022

Scheme		Detentions		Inspections		Detention rate
INTERTANKO	Within	40	18.7%	6292	44.1%	0.6%
	Outside	174	81.3%	7974	55.9%	2.2%
	Total	214	100%	14266	100%	0.9%
INTERCAGO	Within	102	8.1%	7059	17.6%	1.4%
	Outside	1154	91.9%	33072	82.4%	3.5%
	Total	1256	100%	40131	100%	3.1%
InterManager	Within	69	4.7%	4009	7.6%	1.7%
	Outside	1400	95.3%	48902	92.4%	2.9%
	Total	1469	100%	52911	100%	2.8%
Green Award	Within	1	0.1%	305	0.8%	0.3%
	Outside	787	99.9%	39128	99.2%	2.0%
	Total	788	100%	39433	100%	2.0%
38CDI	Within	36	26.1%	3777	40.5%	1.0%
	Outside	102	73.9%	5539	59.5%	1.8%
	Total	138	100%	9316	100%	1.5%
OCIMF	Within	166	75.5%	13510	93.0%	1.2%
	Outside	54	24.5%	1019	7.0%	5.3%
	Total	220	100%	14529	100%	1.5%

Source: Equasis - ^(*) Detentions in PSC regimes providers to Equasis divided by total number of inspections

MEDIUM SIZED SHIPS

Table 158 - Safety performance of medium sized⁽¹⁾ ships, by inspections and detentions rates^(*) – 2022

Scheme		Detentions		Inspections		Detention rate
INTERTANKO	Within	14	10.9%	1802	30.5%	0.8%
	Outside	115	89.1%	4113	69.5%	2.8%
	Total	129	100%	5915	100%	2.2%
INTERCAGO	Within	25	2.8%	1379	6.3%	1.8%
	Outside	882	97.2%	20681	93.7%	4.3%
	Total	907	100%	22060	100%	4.1%
InterManager	Within	20	1.9%	1108	4.1%	1.8%
	Outside	1010	98.1%	26059	95.9%	3.9%
	Total	1030	100%	27167	100%	3.8%
Green Award	Within	0	0.0%	78	0.6%	0.0%
	Outside	365	100.0%	13619	99.4%	2.7%
	Total	365	100%	13697	100%	2.7%
38CDI	Within	31	29.5%	2707	50.4%	1.1%
	Outside	74	70.5%	2669	49.6%	2.8%
	Total	105	100%	5376	100%	2.0%
OCIMF	Within	94	70.1%	5273	86.3%	1.8%
	Outside	40	29.9%	834	13.7%	4.8%
	Total	134	100%	6107	100%	2.2%

Source: Equasis - ⁽¹⁾ 500≤GT<25,000 - ^(*) Detentions in PSC regimes providers to Equasis divided by total number of inspections

LARGE SHIPS

Table 159 - Safety performance of large⁽¹⁾ ships, by inspections and detentions rates^(*) – 2022

Scheme		Detentions		Inspections		Detention rate
INTERTANKO	Within	18	29.5%	2700	50.2%	0.7%
	Outside	43	70.5%	2679	49.8%	1.6%
	Total	61	100%	5379	100%	1.1%
INTERCAGO	Within	64	21.1%	4723	29.8%	1.4%
	Outside	240	78.9%	11133	70.2%	2.2%
	Total	304	100%	15856	100%	1.9%
InterManager	Within	37	10.1%	2178	10.4%	1.7%
	Outside	330	89.9%	18713	89.6%	1.8%
	Total	367	100%	20891	100%	1.8%
Green Award	Within	0	0.0%	41	0.2%	0.0%
	Outside	354	100.0%	20507	99.8%	1.7%
	Total	354	100%	20548	100%	1.7%
38CDI	Within	5	15.2%	1070	27.2%	0.5%
	Outside	28	84.8%	2860	72.8%	1.0%
	Total	33	100%	3930	100%	0.8%
OCIMF	Within	54	87.1%	5305	97.9%	1.0%
	Outside	8	12.9%	116	2.1%	6.9%
	Total	62	100%	5421	100%	1.1%

Source: Equasis - ⁽¹⁾ 25,000≤GT<60,000 - ^(*) Detentions in PSC regimes providers to Equasis divided by total number of inspections

VERY LARGE SHIPS

Table 160 - Safety performance of very large⁽¹⁾ ships, by inspections and detentions rates^(*) – 2022

Scheme		Detentions		Inspections		Detention rate
INTERTANKO	Within	8	33.3%	1790	60.2%	0.4%
	Outside	16	66.7%	1182	39.8%	1.4%
	Total	24	100%	2972	100%	0.8%
INTERCAGO	Within	13	28.9%	957	43.2%	1.4%
	Outside	32	71.1%	1258	56.8%	2.5%
	Total	45	100%	2215	100%	2.0%
InterManager	Within	12	16.7%	723	14.9%	1.7%
	Outside	60	83.3%	4130	85.1%	1.5%
	Total	72	100%	4853	100%	1.5%
Green Award	Within	1	1.4%	186	3.6%	0.5%
	Outside	68	98.6%	5002	96.4%	1.4%
	Total	69	100%	5188	100%	1.3%
38CDI	Within	0	Na	0	Na	Na
	Outside	0	Na	10	100.0%	0.0%
	Total	0	100%	10	100%	0.0%
OCIMF	Within	18	75.0%	2932	97.7%	0.6%
	Outside	6	25.0%	69	2.3%	8.7%
	Total	24	100%	3001	100%	0.8%

Source: Equasis - ⁽¹⁾ GT≥60,000 - ^(*) Detentions in PSC regimes providers to Equasis divided by total number of inspections

6.3. COMPANY PERFORMANCE

Table 161 - Total number of companies and ships GT≥500, by fleet size and flag

Company fleet size (by number of ships GT≥100)	Number of companies		Number of ships ⁽¹⁾		Number of ships under targeted flag ⁽¹⁾		Total share of ships under targeted flag ⁽²⁾
1 ship	11910	58.6%	11910	17.4%	1253	19.8%	10.5%
2 ships	3016	14.8%	6032	8.8%	524	8.3%	8.7%
3 ships	1398	6.9%	4194	6.1%	396	6.2%	9.4%
4 ships	956	4.7%	3824	5.6%	333	5.3%	8.7%
5 ships	599	2.9%	2995	4.4%	340	5.4%	11.4%
6-10 ships	1377	6.8%	10434	15.2%	990	15.6%	9.5%
11-50 ships	986	4.8%	19299	28.1%	1985	31.3%	10.3%
51-100 ships	71	0.3%	5147	7.5%	380	6.0%	7.4%
100+ ships	23	0.1%	4782	7.0%	140	2.2%	2.9%
Total	20336	100%	68617	100%	6341	100%	9%

Source: Equasis - ⁽¹⁾ Ships GT≥500 - ⁽²⁾ Within the same company fleet size category

Graph 154 - Total number of companies and ships GT≥500, by company fleet size

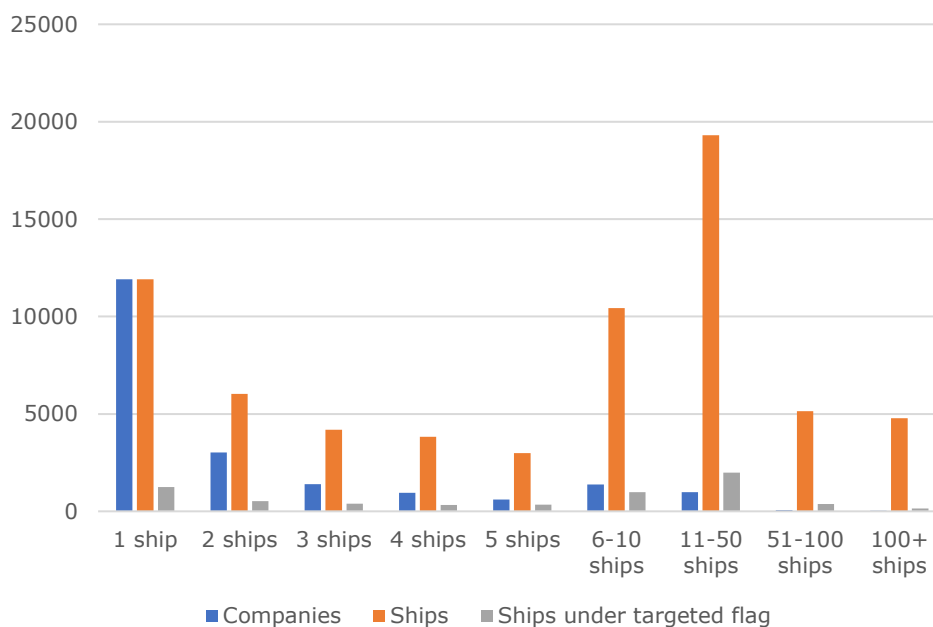
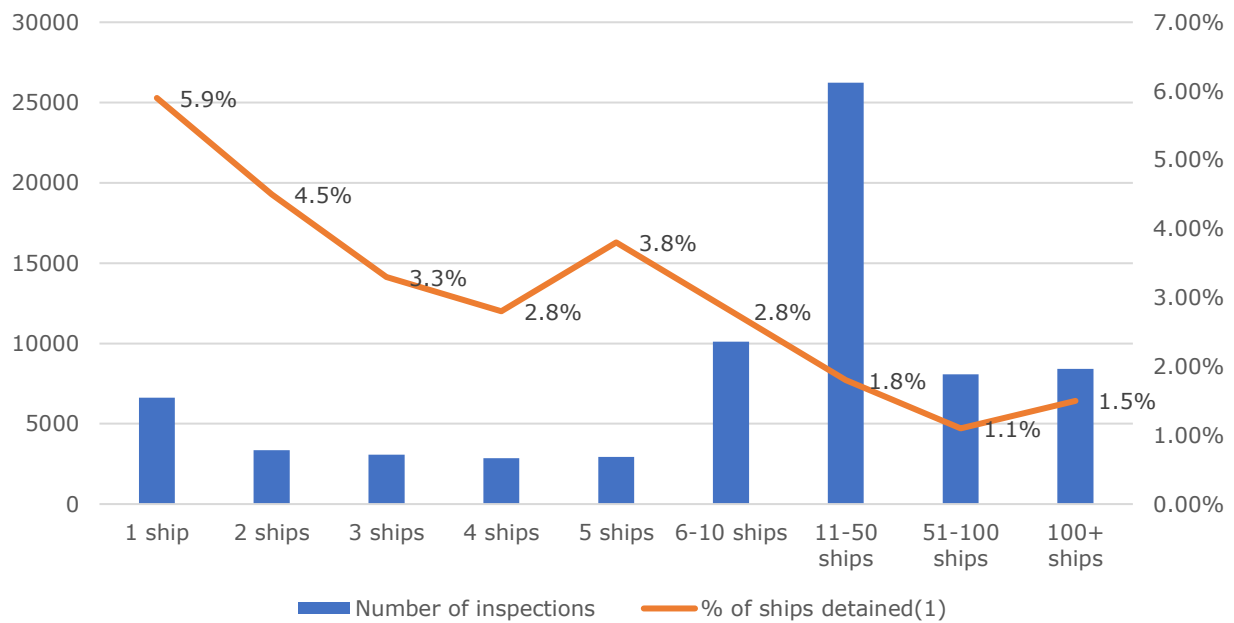


Table 162 - Total number of inspections and detention rates^(*), by company fleet size - 2022

Company fleet size (by number of ships GT≥100)	Number of inspections		Number of detentions		% of ships detained ⁽¹⁾
1 ship	6627	9.2%	389	21.5%	5.9%
2 ships	3353	4.7%	150	8.3%	4.5%
3 ships	3079	4.3%	102	5.6%	3.3%
4 ships	2857	4.0%	80	4.4%	2.8%
5 ships	2943	4.1%	113	6.3%	3.8%
6-10 ships	10104	14.1%	278	15.4%	2.8%
11-50 ships	26230	36.6%	481	26.6%	1.8%
51-100 ships	8072	11.3%	92	5.1%	1.1%
100+ ships	8418	11.7%	123	6.8%	1.5%
Total	71683	100%	1808	100%	3%

Source: Equasis - ⁽¹⁾ Within the same company fleet size category - ^(*) Detentions in PSC regimes providers to Equasis divided by total number of inspections

Graph 155 - Total number of inspections and detention rate, by company fleet size

Annexes

Annex I. Ship Type Aggregations

The category "Other" is not considered in the scope of these statistics and contains ship types of active ships not falling in one of the main categories.

General Cargo Ships

Deck Cargo Ship
General Cargo Ship
Palletised Cargo Ship
Passenger/General Cargo Ship
Refrigerated Cargo Ship

Specialized Cargo Ships

Barge Carrier
Heavy Load Carrier
Livestock Carrier
Log Tipping Ship
Nuclear Fuel Carrier
Pearl Shells Carrier
Pulp Carrier
Stone Carrier

Container Ships

Container Ship
Passenger/Container Ship

Ro-Ro Cargo Ships

Container Ro-Ro Cargo Ship
Landing Craft
Ro-Ro Cargo Ship
Vehicles Carrier

Bulk Carriers

Aggregates Carrier
Alumina Carrier
Bulk Carrier
Bulk/Caustic Soda Carrier
Bulk/Oil Carrier
Bulk/Oil/Chemical Tanker
Bulk/Sulphuric Acid Carrier
Cement Carrier
Bulk Dry Storage Ship
Limestone Carrier
Mud Carrier
Ore Carrier
Ore/Oil Carrier
Powder Carrier
Refined Sugar Carrier
Self-Discharging Bulk Carrier
Urea Carrier
Wood Chips Carrier

Oil and Chemical Tankers

Chemical Tanker
Chemical/Oil Products Tanker
Crude Oil Tanker
Fish Oil Tanker
Oil Products Tanker
Oil Tanker / Chemical Tanker
Oil Tanker / Gas Tanker
Oil Tanker / NLS Tanker
Vegetable Oil Tanker

Gas Tankers

Bunkering Tanker (LNG)
CO₂ Tanker
Combination Gas Tanker (LNG/LPG)
Gas Carrier / NLS Tanker
LNG Tanker
LPG Tanker

Other Tankers

Asphalt/Bitumen Tanker
Beer Tanker
Bitumen Tanker
Bunkering Tanker
Bunkering Tanker (LNG/OIL)
Caprolactam Tanker
Coal/Oil Mixture Tanker
Edible Oil Tanker
Fruit Juice Carrier (refrigerated)
Fruit Juice Tanker
Latex Tanker
Molasses Tanker
Oil Recovery Tanker
Oil-Sludge Tanker
Water Tanker
Wine Tanker

Passenger Ships

Passenger (Cruise) Ship
Passenger Ship
Passenger/Landing Craft
Passenger/Ro-Ro Cargo Ship
Passenger / RoRo Ship (vehicles)

Offshore Vessels

Accom. Offshore Supp. Vessel
Drilling Ship
FSO, Oil
FSO, Gas
Mining Vessel
Offshore Processing Ship
Offshore Supply Ship
Offshore Support Vessel
Offshore Tug/Supply Ship
Pipe Burying Vessel
Pipe-Layer
Production Testing Vessel
Standby-Safety Vessel
Supply Vessel
Trenching Support Vessel
Well-Stimulation Vessel

Service Ships

Aircraft Transport Ship
Anchor Hoy
Buoy/Lighthouse Vessel
Cable-Layer
Cable Repair Ship
Crane Ship
Crewboat
Crew Supply Vessel
Dredger
Fire-Fighting Vessel
Hopper
Hopper Dredger
Hospital Vessel
Icebreaker
Mooring Vessel
Motor Hopper
Patrol Vessel
Pilot Vessel
Pollution Control Vessel
Power Station Vessel
Research Vessel
Rocket Launch Support Ship

Sail Training Ship
Salvage Ship
Search & Rescue Vessel
Tank-Cleaning Vessel
Training Ship
Trans-Shipment Vessel
Utility Vessel
Waste Disposal Vessel
Water Injection Dredger
Work/Repair Vessel
Wind Turbine Installation Vessel

Tugs

Pusher Tug
Tug

Fishing Ships

Fishing Vessel
Fish Carrier
Fish Factory Ship
Fish Processing Vessel
Fishing Support Vessel
Live-Fish Carrier
Seal-Catcher
Trawler
Whale-Catcher

Out of the scope

Exhibition Vessel
Houseboat
Launch (unspecified)
Naval / Naval Auxiliary
Other non-merchant Ships
Sailing boat
Unknown
Vessel (function unknown)
Warship and Naval Auxiliary
Wooden Ship of Primitive Build
Yacht

Annex II. Targeted Flag States 2022

The table of "Flag Performance" is a summary of the status of each flag within the different Port State Control Regime that provides data to Equasis and issue lists of flag performances. The table of targeted flags, namely the Paris MoU, the Tokyo MoU and the US Coast Guard can be found here: <https://www.equasis.org/EquasisWeb/admin/FlagPerf?fs=About>

This table is refreshed annually for each PSC regime when a new annual report containing the new flag performances is published.

For the Paris MoU and the Tokyo MoU, the possible values for each flag state are "Black", "Grey" and "White". Please note that no deeper distinction is made in the "Black" category as done in the annual reports of the Paris and Tokyo MoU between "high risk" and "very high risk" ships for example.

For the USCG, only flag administrations on the "Targeted List" are indicated, once again, without distinction between flag administration receiving "2 points" or "7 points" in column II of the US Port State Control Safety Targeting Matrix.

If a flag is not evaluated by a certain PSC regime, the corresponding field is left blank, if a flag is not evaluated by any of the PSC regime, it may not appear at all in this table.

Throughout the table, non-sovereign flags are displayed below their corresponding "mother" flag (Gibraltar below UK, Faeroe Islands below Denmark...)

Another source of Shipping Industry Flag State Performance can be found on the website of the International Chamber of Shipping (ICS), corresponding to information released in 2022 by the Paris MOU, the Tokyo MOU and the United States Coast Guard (USCG) in their respective annual PSC reports.

<https://www.ics-shipping.org/publication/shipping-industry-flag-state-performance-table-2020-2021/>

Annex III. Default PSC Ship Types

This Annex was established mainly through statistical analysis and direct comparisons between IHS Markit Maritime & Trade ship types and PSC ship types.

Although similar in layout, Annex III cannot be compared to Annex I given that the purpose of this Annex is to attribute a default PSC ship type to ships and not to create categories of ships as in Annex I.

General Cargo/Multipurpose

Aggregates Carrier
Barge Carrier
Cement Carrier
Deck Cargo Ship
General Cargo Ship
Landing Craft
Limestone Carrier
Molasses Tanker
Palletised Cargo Ship
Passenger/Landing Craft
Refined Sugar Carrier

Refrigerated Cargo

Fish Carrier
Fish Factory Ship
Fruit Juice Tanker
Refrigerated Cargo Ship

Heavy Load

Heavy Load Carrier

Container

Container Ship

Ro-Ro cargo

Container Ro-Ro Cargo Ship
Ro-Ro Cargo Ship

Bulk Carrier

Bulk Carrier
Bulk/Caustic Soda Carrier
Bulk Dry Storage Ship
Bulk/Oil/Chemical Carrier
Bulk/Sulphuric Acid Carrier
Ore Carrier
Self-Discharging Bulk Carrier

Oil Tanker

Asphalt/Bitumen Tanker
Bunkering Tanker
Bunkering Tanker (LNG/OIL)
Crude Oil Tanker
FSO, Oil
Oil Products Tanker
Oil-Sludge Tanker
Water Tanker

Chemical Tanker

Chemical Tanker
Vegetable Oil Tanker

Combination Carrier

Bulk/Oil Carrier
Coal/Oil Mixture Tanker
Ore/Oil Carrier

Gas Carrier

Bunkering Tanker (LNG)
CO₂ Tanker
Combination Gas Tanker (LNG/LPG)
LNG Tanker
LPG Tanker

NLS Tanker

Chemical/Oil Products Tanker
Wine Tanker

Passenger Ship

High Speed passenger craft
Passenger (Cruise) Ship
Passenger Ship

RoRo Passenger Ship

Passenger/Ro-Ro Cargo Ship
Passenger/Ro-Ro (vehicles)

Offshore Supply

Accommod. Offshore Supp Vessel
FSO Gas
Offshore Supply Ship
Offshore Support Vessel
Offshore Tug/Supply Ship
Pipe-Layer
Production Testing Vessel
Well-Stimulation Vessel

Special Purpose Ship

Cable-Layer
Cable Repair Ship
Crane Ship
Fire-Fighting Vessel
Icebreaker
Power Station Vessel

Tug

Pusher Tug
Towing/Pushing Boat
Tug

Other Special Activities

Anchor Hoy
Buoy/Lighthouse Vessel
Caprolactam Tanker
Drilling Ship
Edible Oil Tanker
Hopper Dredger
Hospital Vessel
Mining Vessel
Mooring Vessel
Motor Hopper
Nuclear Fuel Carrier
Offshore Processing Ship
Passenger/Container Ship
Passenger/General Cargo Ship
Patrol Vessel
Pearl Shells Carrier
Pilot Vessel
Pollution Control Vessel
Powder Carrier
Research Vessel
Salvage Ship
Seal-Catcher
Search & Rescue Vessel
Standby-Safety Vessel
Supply Vessel
Tank-Cleaning Vessel
Training Ship
Trans-shipment Vessel
Urea Carrier
Utility Vessel
Waste Disposal Vessel
Water Injection Dredger
Wood Chips Carrier
Work/Repair Vessel

Other

Beer Tanker
Crew boat
Dredger
Fishing Support Vessel
Live-Fish Carrier
Livestock Carrier
Pipe Burying Vessel
Vehicles Carrier

Out of scope

Exhibition Vessel
Fishing Vessel
Houseboat
Kelp Dredger
Launch (Unspecified)
Rocket Launch Support Ship
Sailing Vessel
Sail Training Ship
Trenching Support Vessel
Unknown
Vessel (function unknown)

Annex IV. List of Statutory Certificates, by Conventions

SOLAS (and STCW)

SOLAS/STCW

Minimum safe manning document

SOLAS - INF

International Certificate of Fitness for the Carriage of Cargo

SOLAS - ISM

Document of Compliance
Safety Management Certificate

SOLAS - ISPS

International Ship Security Certificate

SOLAS - IMDG

Document of compliance with the special requirements for ships carrying dangerous goods

SOLAS - GC

Certificate of Fitness for the Carriage of Liquefied Gases in Bulk

SOLAS - IGC

International Certificate of Fitness for the Carriage of Liquefied Gases in Bulk

SOLAS - HSC

High-Speed Craft Safety Certificate

SOLAS - MODU

Mobile Offshore Drilling Unit Safety Certificate

SOLAS - SPS

Special Purpose Ship Safety Certificate

SOLAS - PSSC

Passenger Ship Safety Certificate, including Record of Equipment

SOLAS - CLC

Certificate of insurance or other financial security in respect of civil liability for oil pollution damage

SOLAS/CSS

Cargo Ship Safety Certificate, including Record of Equipment
Cargo Ship Safety Equipment Certificate, including Record of Equipment
Cargo Ship Safety Construction Certificate
Cargo Ship Safety Radio Certificate, including Record of Equipment

SOLAS/CSR

Continuous Synopsis Record

SOLAS/INF

International Certificate of Fitness for the Carriage of Cargo

MARPOL

MARPOL - IAPP

International Air Pollution Prevention Certificate

MARPOL - IEEC

International Energy Efficiency Certificate

MARPOL - IOPP

International Oil Pollution Prevention Certificate

MARPOL - ISPP

International Sewage Pollution Prevention Certificate

MARPOL - EIAPP

Engine International Air Pollution Prevention Certificate

MARPOL - IBC

International Certificate of Fitness for the Carriage of Dangerous Chemicals in Bulk

MARPOL - NLS

International Pollution Prevention Certificate for the Carriage of Noxious Liquid Substances in Bulk

MARPOL - BCH

Certificate of Fitness for the Carriage of Dangerous Chemicals in Bulk

Other Conventions

ITC

International Tonnage Certificate

Load Lines

International Load Line Certificate

AFS

Declaration of AFS Compliance
International Anti-Fouling System Certificate

Ballast WM

Ballast Water Management Certificate

CLC

Certificate of insurance or other financial security in respect of civil liability for oil pollution damage

BUNKER

Certificate of insurance or other financial security in respect of civil liability for bunker oil pollution damage

MLC

Maritime Labour Certificate

Annex V. Ships in the scope of Trade Association and Vetting Programmes

In Chapter 6, various figures from trade association and vetting programs are compared to a base population of ships of a relevant ship type. This Annex gives the relevant ship types as described in Annex I, for each trade association and vetting programs.

Intertanko

"Gas Tankers"
"Oil & Chemical Tankers"

Intercargo

"Bulk Carriers"
"General Cargo Ships"

Note that Intercargo deals normally with ships with deadweight over 10,000. This need to be kept in mind when analysing figures of medium sized ships associated with Intercargo.

Intermanager

"Bulk Carriers"
"General Cargo Ships"
"Oil & Chemical Tanker"

Green Award

A subset of Bulk Carriers:

Aggregates Carrier
Bulk Carrier
Bulk Dry Storage Ship
Bulk/Caustic Soda Carrier
Bulk/Sulphuric Acid Carrier
Cement Carrier
Limestone Carrier
Ore Carrier
Powder Carrier
Refined Sugar Carrier
Self-Discharging Bulk Carrier
Wood Chips Carrier
Urea Carrier

Gas Tankers:

CO2 Tanker
LNG Tanker
LPG Tanker
Combination Gas Tanker (LNG/LPG)

Oil & Chemical Tankers:

Chemical Tanker
Chemical/Oil Products Tanker
Crude Oil Tanker
Oil Products Tanker
Vegetable Oil Tanker

CDI

The following Tankers:

Chemical Tanker
Chemical/Oil Products Tanker
LPG Tanker
Vegetable Oil Tanker

OCIMF

"Gas Tankers"
"Oil & Chemical Tanker"