

U.S. Department of Transportation
Maritime Administration

World Merchant Fleet
2005



**World Merchant Fleet
2001-2005**

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Preface

Preface

The following report contains data on the World Merchant Fleet of 10,000 DWT or greater. The data are presented in terms of vessels and deadweight (DWT) for the following vessel types: tankers, container, dry bulk, roll-on/roll-off (ro-ro), gas carriers, combination carriers, and general cargo (See Notes for definitions). For containerships, capacity is also expressed in terms of twenty-foot equivalent units (TEU).

Comments and recommendations as to content and format of the report can be made at data.marad@marad.dot.gov. In addition, to learn more about the Maritime Administration or the maritime industry, visit the agency's website at www.marad.dot.gov.

Notes and Sources

Vessel Types

The vessel categories used for this report include the following types:

Tankers: Petroleum Tankers, Chemical Carriers.

Container: Fully Cellular Containerships, Refrigerated Container Carriers.

Dry Bulk: Bulk Vessels, Bulk Containerships, Cement Carriers, Wood Chip Carriers, Lakers.

Ro-Ro: Ro-Ro Vessels, Ro-Ro/Containerships, Car Carriers.

Gas Carriers: LNG Carriers, LNG/LPG Carriers, LPG Carriers.

Combination Carriers: Ore/Bulk/Oil Carriers, Bulk/Oil Carriers.

General Cargo: General Cargo Carriers, Partial Containerships, Refrigerated Ships, Barge Carriers, Barge Carriers, Livestock Carriers.

Capacities

Vessel capacities are expressed in deadweight (DWT) which is the total weight (metric tons) of cargo, fuel, fresh water, stores and crew which a ship can carry when immersed to its load line.

For containerships, capacities are also expressed in twenty-foot equivalent units (TEU). A TEU is a nominal unit of measure equivalent to a 20'x8'x8' shipping container.

U.S. Fleets

The U.S. Fleet numbers in this report include both privately-owned and government-owned commercial vessels. Jones Act Vessels are those that are owned by U.S. citizens, registered under U.S. laws and built or reconstructed (Wrecked Vessels Act) in U.S. shipyards.

Sources

Clarkson Research Studies, Vessel Registers, London: Clarkson Shipbrokers, (www.clarksonresearch.com).

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Notes and Sources

U.S. Fleets, 2005								
Vessel Type	U.S.-Flag		U.S. Owned		U.S. Built		Jones Act	
	Priv.	Gov.	Priv.	Gov.	Priv.	Gov.	Priv.	Gov.
Number of Vessels								
Tanker	60	35	275	36	66	36	56	35
Double Hull	31	5	193	5	31	5	27	5
Container	74	0	86	0	29	0	29	0
Dry Bulk	62	0	201	0	59	0	51	0
Laker	48	0	48	0	54	0	48	0
Ro-Ro	41	15	58	15	15	15	15	15
Car Carrier	16	0	20	0	1	0	1	0
Gas Carrier	0	0	18	0	13	0	0	0
Combination	0	0	12	0	0	0	0	0
General Cargo	8	0	38	0	2	0	2	0
All Types	245	50	688	51	184	51	153	50

Table N-1

U.S. Fleet Orders, 2005								
Vessel Type	U.S.-Flag		U.S. Owned		U.S. Built		Jones Act	
	No.	Mil. Dwt/TEU	No.	Mil. DWT/TEU	No.	Mil. DWT/TEU	No.	Mil. DWT/TEU
Tanker	12	0.8	48	2.7	12	0.8	12	0.8
Double Hull	12	0.8	48	2.7	12	0.8	12	0.8
Container	1	0	1	0	1	0	1	0
<i>Container</i>	<i>1</i>	<i>0</i>	<i>1</i>	<i>0</i>	<i>1</i>	<i>0</i>	<i>1</i>	<i>0</i>
Dry Bulk	0	0	3	0.1	0	0	0	0
Laker	0	0	0	0	0	0	0	0
Ro-Ro	0	0	0	0	0	0	0	0
Car Carrier	0	0	0	0	0	0	0	0
Gas Carrier	0	0	6	0.6	0	0	0	0
Combination	0	0	0	0	0	0	0	0
General Cargo	0	0	0	0	0	0	0	0
All Types	13	0.8	58	3.5	13	0.8	13	0.8

Table N-2

Summary

World Merchant Fleet by Type, 2001-2005						
Vessel Type	2001	2002	2003	2004	2005	% Change
						2001-2005
Number of Vessels						
Tanker	3,430	3,474	3,569	3,772	4,024	17.3
Double Hull	1,400	1,600	1,911	2,236	2,582	84.4
Container	2,176	2,307	2,441	2,594	2,837	30.4
Dry Bulk	5,587	5,662	5,733	5,945	6,225	11.4
Laker	112	105	101	98	98	-12.5
Ro-Ro	589	608	625	658	703	19.4
Car Carrier	358	367	378	402	435	21.5
Gas Carrier	367	369	391	415	433	18.0
Combination	136	120	116	111	102	-25.0
General Cargo	1,617	1,534	1,453	1,457	1,495	-7.5
All Types	13,902	14,074	14,328	14,952	15,819	13.8
Million DWT/TEU						
Tanker	290.8	295.4	305.3	323.8	346.4	19.1
Double Hull	126.9	150.6	181.1	208.6	238.3	87.8
Container	73.1	79.9	86.5	94.1	106.2	45.3
<i>Container</i>	<i>5.1</i>	<i>5.7</i>	<i>6.2</i>	<i>6.8</i>	<i>7.7</i>	<i>51.0</i>
Dry Bulk	289.8	298.0	306.4	325.6	348.1	20.1
Laker	3.5	3.4	3.3	3.2	3.2	-8.6
Ro-Ro	10.5	10.8	11.1	11.7	12.4	18.1
Car Carrier	5.8	5.9	6.1	6.6	7.2	24.1
Gas Carrier	16.8	17.2	18.7	20.4	21.7	29.2
Combination	13.6	12.0	11.7	10.5	9.7	-28.7
General Cargo	26.2	24.8	23.5	23.6	24.2	-7.6
All Types	720.7	738.1	763.3	809.7	868.7	20.5

Table S-1

World Merchant Fleet and Orders by Vessel Type, 2005						
Vessel Type	Existing Fleet		Orders		Orders, % of Fleet	
	Number	Mil. DWT/TEU	Number	Mil. DWT/TEU	Number	Mil. DWT/TEU
Tanker	4,024	346.4	1,112	85.2	27.6	24.6
Double Hull	2,582	238.3	1,112	85.2	43.1	35.8
Container	2,837	106.2	1,115	52.4	39.3	49.3
<i>Container</i>	<i>2,837</i>	<i>7.7</i>	<i>1,115</i>	<i>4.2</i>	<i>39.3</i>	<i>54.5</i>
Dry Bulk	6,225	348.1	790	64.1	12.7	18.4
Laker	98	3.2	0	0	0	0
Ro-Ro	703	12.4	166	2.9	23.6	23.4
Car Carrier	435	7.2	133	2.3	30.6	31.9
Gas Carrier	433	21.7	206	13.6	47.6	62.7
Combination	102	9.7	0	0.0	0.0	0.0
General Cargo	1,495	24.2	114	1.6	7.6	6.6
All Types	15,819	868.7	3,503	219.8	22.1	25.3

Table S-2

Summary

World Merchant Fleet Age Profile by Vessel Type, 2005						
Vessel Type	Before 1986		1986-1995		After 1995	
	No.	Mil. DWT/TEU	No.	Mil. DWT/TEU	No.	Mil. DWT/TEU
Tanker	884	39.1	1,057	106.7	2,083	200.6
Double Hull	63	2.5	447	35.9	2,072	199.8
Container	439	12.0	710	23.8	1,688	70.4
<i>Container</i>	<i>439</i>	<i>0.7</i>	<i>710</i>	<i>1.6</i>	<i>1,688</i>	<i>5.4</i>
Dry Bulk	2,522	99.5	1,274	85.6	2,429	163.0
Laker	98	3.2	0	0.0	0	0.0
Ro-Ro	292	5.2	141	2.2	270	5.0
Car Carrier	157	2.3	96	1.5	182	3.3
Gas Carrier	153	7.0	97	4.3	183	10.4
Combination	45	3.5	45	4.9	12	1.3
General Cargo	937	15.3	267	4.0	291	4.7
All Types	5,272	181.7	3,591	231.5	6,956	455.5

Table S-3

Summary

World Merchant Fleet by Country of Owner and Vessel Type, 2005 (Top 10 Countries by DWT)					
All Vessel Types	Number	Mil. DWT	Tanker	Number	Mil. DWT
Greece	2,426	158.5	Greece	733	70.6
Japan	2,059	135.0	Japan	394	41.3
China	1,738	82.6	United States	311	25.6
Germany	1,412	55.4	Singapore	226	23.1
United States	739	43.6	Norway	247	17.5
Singapore	559	37.4	Bermuda	76	17.4
United Kingdom	471	33.3	United Kingdom	154	16.5
Norway	637	33.1	China	199	16.3
South Korea	414	27.9	Saudi Arabia	62	11.1
Taiwan	475	27.8	India	107	8.7
Top 10	10,930	634.6	Top 10	2,509	248.0
All Countries	15,819	868.7	All Countries	4,024	346.4
Container	Number	Mil. DWT	Dry Bulk	Number	Mil. DWT
Germany	978	34.7	Greece	1,326	76.6
Japan	209	9.0	Japan	1,041	75.2
China	198	8.1	China	979	51.6
Taiwan	202	7.3	South Korea	224	15.9
Denmark	117	7.1	Taiwan	209	14.3
Switzerland	153	6.5	United Kingdom	142	10.1
Greece	157	6.2	Germany	182	10.1
United Kingdom	91	3.8	United States	201	9.8
United States	86	3.4	Singapore	175	9.7
Singapore	99	2.8	Norway	175	7.8
Top 10	2,290	89.0	Top 10	4,654	281.1
All Countries	2,837	106.2	All Countries	6,225	348.1
Ro-Ro	Number	Mil. DWT	Gas Carrier	Number	Mil. DWT
Japan	251	3.9	Japan	78	4.5
United States	73	1.9	Norway	72	3.1
Norway	71	1.5	United Kingdom	32	1.9
Italy	52	1.0	South Korea	21	1.5
Sweden	50	0.9	Malaysia	17	1.3
South Korea	29	0.5	United States	18	1.1
Greece	19	0.3	Greece	23	1.1
Denmark	22	0.3	Nigeria	12	0.9
United Kingdom	14	0.2	Singapore	20	0.8
Netherlands	15	0.2	Algeria	12	0.7
Top 10	596	10.7	Top 10	305	16.8
All Countries	703	12.4	All Countries	433	21.7

Table S-4

Summary

World Merchant Fleet by Country of Owner and Vessel Type, 2005 (Top 10 Countries by DWT)					
Combination	Number	Mil. DWT	General Cargo	Number	Mil. DWT
Norway	27	2.6	China	342	6.0
Greece	20	1.4	Greece	148	2.3
Bermuda	8	1.4	Germany	105	2.0
Germany	6	1.1	Japan	86	1.2
United States	12	1.0	Netherlands	79	1.1
Argentina	3	0.5	United States	37	0.7
China	6	0.4	Thailand	36	0.6
Singapore	5	0.4	Iran	31	0.6
Taiwan	3	0.2	Singapore	32	0.6
Italy	2	0.1	Unknown	39	0.6
Top 10	92	9.1	Top 10	935	15.7
All Countries	102	9.7	All Countries	1,495	24.1

Table S-4 continued

Summary

World Merchant Fleet by Country of Build and Vessel Type, 2005 (Top 10 Countries by DWT)					
All Vessel Types			Tanker		
	Number	Mil. DWT		Number	Mil. DWT
Japan	6,839	380.9	South Korea	1,216	145.8
South Korea	2,846	255.0	Japan	1,326	127.5
China	1,113	48.3	China	280	16.4
Germany	1,103	26.1	Croatia	198	9.9
Taiwan	308	21.6	United States	102	6.3
Denmark	258	15.8	Spain	107	6.2
Poland	481	14.0	Denmark	60	5.2
Croatia	321	13.4	Brazil	51	2.9
Spain	270	11.6	Italy	77	2.8
United States	235	11.0	Ukraine	63	2.6
Top 10	13,774	797.7	Top 10	3,480	325.6
All Countries	15,819	868.7	All Countries	4,024	346.4
Container			Dry Bulk		
	Number	Mil. DWT		Number	Mil. DWT
South Korea	745	40.2	Japan	3,841	206.6
Japan	680	24.4	South Korea	643	56.6
Germany	601	16.2	China	509	24.7
Denmark	81	5.7	Taiwan	129	13.6
Poland	220	5.6	Brazil	105	5.5
Taiwan	147	5.1	Poland	102	3.8
China	158	4.0	United Kingdom	85	3.5
United States	29	0.8	Spain	72	3.3
France	20	0.7	Italy	36	3.2
Italy	18	0.5	Denmark	49	3.2
Top 10	2,699	103.5	Top 10	5,571	323.9
All Countries	2,837	106.2	All Countries	6,225	348.0
Ro-Ro			Gas Carrier		
	Number	Mil. DWT		Number	Mil. DWT
Japan	368	5.9	Japan	159	8.5
South Korea	81	1.6	South Korea	85	5.2
United States	30	0.8	France	47	2.6
Italy	36	0.7	United States	13	0.9
Sweden	21	0.6	Norway	27	0.7
Poland	31	0.6	Finland	11	0.6
Germany	32	0.4	Germany	22	0.5
France	13	0.3	Italy	20	0.5
Croatia	18	0.2	Belgium	11	0.4
Denmark	10	0.2	Spain	7	0.4
Top 10	640	11.4	Top 10	402	20.6
All Countries	703	12.4	All Countries	433	21.7

Table S-5

Summary

World Merchant Fleet by Country of Build and Vessel Type, 2005 (Top 10 Countries by DWT)					
Combination			General Cargo		
	Number	Mil. DWT		Number	Mil. DWT
South Korea	46	5.0	Japan	454	7.3
Denmark	9	0.7	Germany	268	4.1
Germany	9	0.7	China	148	2.9
Japan	11	0.6	United Kingdom	68	1.1
Taiwan	2	0.6	Poland	66	1.0
Sweden	7	0.5	Spain	58	0.9
Belgium	3	0.4	Netherlands	62	0.8
Spain	6	0.4	Croatia	46	0.8
Croatia	3	0.4	Denmark	43	0.7
Poland	3	0.3	Finland	28	0.6
Top 10	99	9.5	Top 10	1,241	20.2
All Countries	102	9.7	All Countries	1,495	24.1

Table S-5 continued

Summary

World Merchant Fleet by Flag and Vessel Type, 2005 (Top 10 Countries by DWT)					
All Vessel Types	Number	Mil. DWT	Tanker	Number	Mil. DWT
Panama	3,415	203.4	Panama	592	57.1
Liberia	1,410	88.8	Liberia	520	48.5
Greece	555	51.9	Marshall Is.	323	31.1
Hong Kong	721	48.7	Greece	233	30.0
Bahamas	729	46.9	Singapore	274	25.4
Marshall Is.	644	46.0	Bahamas	215	25.2
Singapore	699	44.6	Malta	181	13.2
Malta	745	35.4	Hong Kong	81	11.2
Cyprus	696	30.5	Isle of Man	96	8.3
China	803	27.5	India	103	8.3
Top 10	10,417	623.8	Top 10	2,618	258.3
All Countries	15,819	868.7	All Countries	4,024	346.4
Container	Number	Mil. DWT	Dry Bulk	Number	Mil. DWT
Panama	541	22.1	Panama	1,703	110.7
Liberia	415	16.7	Hong Kong	492	32.2
Germany	248	10.9	Greece	268	19.4
Danish Int'l	78	5.5	Malta	435	19.2
Singapore	177	5.0	Cyprus	373	18.7
United Kingdom	104	4.6	Liberia	313	18.5
Antigua & B.	195	4.3	Bahamas	301	14.8
Cyprus	139	3.9	China	371	14.5
Marshall Is.	121	3.9	Singapore	174	11.3
Hong Kong	81	3.6	South Korea	122	8.3
Top 10	2,099	80.6	Top 10	4,552	267.6
All Countries	2,837	106.2	All Countries	6,225	348.1
Ro-Ro	Number	Mil. DWT	Gas Carrier	Number	Mil. DWT
Panama	244	3.9	Panama	80	4.2
United States	56	1.4	Norwegian Int'l	69	2.6
Norwegian Int'l	48	1.0	Liberia	45	2.1
Sweden	43	1.0	Japan	29	1.9
Italy	52	1.0	Malaysia	17	1.3
Bahamas	30	0.6	Bahamas	20	1.2
Singapore	30	0.6	Bermuda	15	1.2
Liberia	37	0.6	Singapore	15	0.8
United Kingdom	20	0.3	Marshall Is.	10	0.7
Japan	15	0.2	Isle of Man	11	0.5
Top 10	575	10.5	Top 10	311	16.6
All Countries	703	12.4	All Countries	433	21.7

Table S-6

Summary

World Merchant Fleet by Flag and Vessel Type, 2005 (Top 10 Countries by DWT)					
Combination	Number	Mil. DWT	General Cargo	Number	Mil. DWT
Panama	15	2.0	Panama	240	3.5
Norwegian Int'l	17	1.8	China	210	3.3
Liberia	18	1.5	St. Vincent & G.	79	1.5
Bahamas	18	1.4	Cyprus	85	1.5
Singapore	6	1.0	Malta	66	1.1
Marshall Is.	12	1.0	Hong Kong	52	1.1
Hong Kong	4	0.4	Bahamas	77	1.0
Malta	3	0.3	Liberia	62	1.0
Turkey	2	0.2	Marshall Is.	32	0.9
India	1	0.1	Netherlands	60	0.9
Top 10	96	9.5	Top 10	963	15.7
All Countries	102	9.7	All Countries	1,495	24.1

Table S-6 continued