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DOXFORD ENGINES BUILT By SUN SHIPBUILDING & Drydock Co, Chester, Pa, U.S.A.



(Sun Shipbuilding & Drydock Co, [SUN SHIP] was developed by "SUN OIL" in 1916 as a Tanker builder.)















(Sold to Pennsylvanian Shipbuilding [PENN SHIP] in 1982, but closed in 1989)















	YARD No	YARD	DOXFORD Type: Sun-Doxford's	Engine no:	B.H.P.	YEAR of Construction ID No	Ship's Name	Name OWNER	Owner Flag	Broken up Lost
1	350 Steam Yacht Tons 552 Launch:1914	Pusey & Jones Wilmington (Del.)	1925 Re- built and Re-engined with Twin-bank DOXFORD		1500 On One Shaft	1913 2211638	SIALIA 10.6.1917 USS Sialia(SP543) '13.4.1920 Yankee Clipper 25.11.1940 USS Coral(PY-15)	*John K. Stewart *Henry Ford		Sold, 15 July 1947 and presumed scrapped
2	138(Steam) Cargo Ship Tons 8229 Launch:18.7.1918	Uruga Dock Co Ltd Uruga (Japan)	2x(21¼"L4 Stroke 85") "Re-Engined" 1925		2500 Twin Screw	1918 2216802	Launched as Beikoku Maru East Indian	Ford Motor Co		Torpedoed 37.23S/13.34E 3.11.42
3	153 Tons 7956 Cargo Ship Launch:4.7.1918	Bethlehem S.B Corp Ltd Alameda, Cal.	580L4 (22 13/16" x 91¼") "Re-Engined" Date?		2800	1918 2217003	Challenger	1918 Sun Shipbuilding 1938 American South African Line Inc.		Torpedoed 12.11N/61.18W 17.5.1942
4	131 Tons 2416 Cargo Ship Launch;20.7.1918	Saginaw Shipbuilding Saginaw	20¼"L3 Stroke 38 5/8" "Re-Engined" 1931		1200 ?	1918 2216914	Lake Osweya	Ford Motor Co		Torpedoed 43.14N/64.45W 20.2.1942
5	140 Tanker Tons 7011 Launch:19.10.1919	Moore Shipb. Co, Oakland (Cal.)	580L4 22 4/5" x 91½" "Re-Engined" Date?		2700	1919 2219527	Miskianza '25 Gulf of Venezuela	Gulf Refining Co Inc.		Broken Up Mobile 1.1950
6	110 Tons 7366 Tanker (Steam)	Baltimore DD & Ship. Co, Locus Point (Md)	"Re- Engined 1922"		2700	1920 2219954	Miller County '27 Aurora '42 Jamestown '45 Marivelles	U.S. Govt. Socony- Vacuum Oil Co Inc. as		Broken Up Shanghai 3.1948

















	Launch: 27.3.1920		580L4 22 13/16" x 91 1/4"				'46 Jamestown	"Aurora"		
7	112 Tanker(Steam) Tons 7641 Launch: 14.8.1920	Baltimore DD & Ship. Co, Locus Point (Md)	"Re- Engined In 1923 580L4		2700	1920 2220637	Bidwell	Sun Oil Co.		Broken Up Hamburg 17.4.1965
8	788 Tons 8877 Bulk Carrier Launch: 8/1924	American SB Co, Lorain	600L4 with electrical centrifugal blowers		2900	1924 5148015	Henry Ford II '89 Samuel Mather	Ford Motor Company		Broken up Port Maitland 1.1995
9	245 Tons 8626 Bulk Carrier Launch: 26.4.1924	Great Lakes EW, River Rouge (Mich.)	600L4 with electrical centrifugal blowers		2900	1924 5041554	Benson Ford '83 John Dykstra	Ford Motor Company		Broken up Port Colborne 12.7.1986
10	106 Tanker Tons 9005 Launch:22.10.1927	 Shipbuilding Co. Chester Pennsylvania, U.S.A.	600L4 Stroke 2,32m 23 5/8"x 91 3/8"		2800	1927 2227073	Sunoil	Sun Oil Co.		Torpedoed 58.16N/34.14W 5.4.1943
11	107 Tanker Tons 11628 Launch:24.1.1928	 Shipbuilding Co. Chester Pennsylvania, U.S.A.	2x (540L4) Stroke: 2,16m 21 1/4"x85"		2x 2500	1928 2227206	Mary Ellen O'Neill '29 Australia	Texas Co California		Torpedoed 35.07N/75.22.30 W 16.3.42 B.U. 8.1954
12	110 Tanker Tons 9002 Launch:14.7.1928	 Shipbuilding Co. Chester Pennsylvania, U.S.A.	600L4 23 5/8"x91 5/16"		2800	1928 2227816	SUN '54 Nonna Despo	Sun Oil Co.		Broken Up Tokyo 13.8.1959
13	116 Tons 8272 Pass./Caro Kaunch: 19.10.1929	 Shipbuilding Co. Chester Pennsylvania, U.S.A.	2x 600LB4 Twin Screw		5400	1929 2229268	City of New- York	America South Africa Line		Torpedoed 35.16N/74.25W 29.3.42
14	120 Tanker Tons 9097 2/12/1929	 Shipbuilding Co. Chester Pennsylvania, U.S.A.	600LB4		2800	1929 2229252	Pacific Sun '49 Ionian Mariner	Sun Oil Co.		Broken Up Yokohama 2.10.1954




15	122 Tons 9097 Tanker Launch:15.2.1930	 Shipbuilding Co. Chester Pennsylvania, U.S.A.	600LB4		2800	1930 2229362	Chester Sun '54 Gus M '55 Tans Gulf '57 Trans Castor	Sun Oil Co.		Broken Up La Spezia 5.4.1960
16	123 Tanker Tons 9100 10.5.1930	 Shipbuilding Co. Chester Pennsylvania, U.S.A.	600LB4		2800	1930 2229687	Western Sun '50 JOHN AUGUSTUS ESSBERGER	Sun Oil Co.		Broken Up Hamburg 26.7.1959
17	124 Tanker Tons 9100 7.6.1930	 Shipbuilding Co. Chester Pennsylvania, U.S.A.	600LB4		2800	1930 2229853	Eastern Sun '54 LEO M. '55 TRANSARCTIC - '56 TRANSPOLLUX	Sun Oil Co.		wrecked 1 \diamond nm S Cape Corriente LS, Sicily 21.10.1959
18	125 Tanker Tons 8886 Launch:9.8.1930	 Shipbuilding Co. Chester Pennsylvania, U.S.A.	600LB4		2800	1930 2230116	Tidewater '59 Wang Forwarder	Tidewater Oil Co		Broken Up Hirao 16.2.1959
19	126 Tanker Tons 8812 Launch:6.9.1930	 Shipbuilding Co. Chester Pennsylvania, U.S.A.	600LB4		2800	1930 2230171	Tidewater Associated '58 WANG GOVERNOR	Tidewater Oil Co		Broken Up Hirao 10.2.1959
20	127 Tanker Tons 9132 Launch:5.11.1930	 Shipbuilding Co. Chester Pennsylvania, U.S.A.	600LB4		2800	1930 2230338	Brilliant	Standard Trans Co		Broke in two 45.00N/55.00W 20.1.1943
21	131 Tanker Tons 8865 Launch:31.1.1931	 Shipbuilding Co. Chester Pennsylvania, U.S.A.	600LB4		2800	1930 2230490	Northern Sun '55 TRANSNORTHERN '56 TRANSJASON	Sun Oil Co.		Broken Up Port Glasgow 12.9.1960
22	132 Tanker Tons 8893 Launch:21.3.1931	 Shipbuilding Co. Chester Pennsylvania, U.S.A.	600LB4		2800	1931 2230605	Southern Sun '54 CHUN AN	Sun Oil Co.		Broken Up Kaohsiung 27.4.1960

23	133 Tanker Tons 8893 Launch:8.12.1931	 Shipbuilding Co. Chester Pennsylvania, U.S.A.	600LB4		2800	1931 2231354	Mercury Sun	Sun Oil Co.		Torpedoed 21.01N/84.26W 18.5.1942
24	137 Tanker Tons 9180 Launch:16.5.1931	 Shipbuilding Co. Chester Pennsylvania, U.S.A.	600LB4		2800	1931 2230834	Daylight '47 SEABIRD	Standard- Vacuum Tptn		Broken Up Barcelona 17.4.1961
25	159 Tons 9933 Tanker Launch:24.3.1937	 Shipbuilding Co. Chester Pennsylvania, U.S.A.	640LB5		5600	1937 2235950	Texas Sun '59 Texas Ranger	Sun Oil Co.		01.03.1960 Broken up Kure
26	163 Tons 8587 Tanker Launch:5.6.1937	 Shipbuilding Co. Chester Pennsylvania, U.S.A.	31"LB4		4800	1937 2236493	Louisiana	The Texas Company of Delaware		Torpedoed 7.24N/52.33W 17.8.1942
27	164 Tons 8580 Tanker Launch: 26.8.1937	 Shipbuilding Co. Chester Pennsylvania, U.S.A.	31LB4		4800	1937 5116660	Florida	The Texas Company of Delaware		Broken up Panama City 20.3.1969
28	165 Tanker Tons 8580 Launch:19.10.1937	 Shipbuilding Co. Chester Pennsylvania, U.S.A.	31LB4		4800	1937 5293896	Rhode Island	The Texas Company of Delaware		Broken Up Brownsville 9.1975
29	168 Tanker Tons 11373 Launch:20.5.1938	 Shipbuilding Co. Chester Pennsylvania, U.S.A.	813LB5		7200	1938 2237658	Pennsylvania Sun [1960 cv to ore carrier, 11664gt] '55 STEPHANITOR	Sun Oil Co.		BU La Spezia 15.2.1963
30	175 Freighter C2 Tons 6200 Launch: 2.4.1939	 Shipbuilding Co. Chester Pennsylvania, U.S.A.	815LB4		6000	1939 2238599	Donald McKay '41 Polaris '46 Donald McKay '48 Polaris	U.S Maritime Comm. for Moore Mc Cormack		Broken up Oakland 9.1974
31	176 Freighter-C2 Tons 6200 Launch:18.5.1939	 Shipbuilding Co. Chester Pennsylvania, U.S.A.	815LB4 Stroke 2410 mm		6000	1939 5338672	Moremachaw k '40 ARCTURUS '47 STAR ARCTURUS	U.S Maritime Comm. for Moore Mc Cormack		Broken Up Tadotsu 15.8.1971 [Miyachi Salvage KK]

32	177 Freighter-C2-M Tons 6198 Launch:15.6.1939	 Shipbuilding Co. Chester Pennsylvania, U.S.A.	815LB4 Stroke 2410 mm		6000	1939 5147140	Moremacwren '41 ALGORAB – '47 KAMRAN – '48 MONGALA – '54 HELLENIC SAILOR ' 73 ALOHA	U.S Maritime Comm. for Moore Mc Cormack		BU Kaohsiung 23.12.1973 [Tung Ho Steel Enterprise Co Ltd]
33	178 Freighter-C2 Tons 6198 Launch:6.7.1939	 Shipbuilding Co. Chester Pennsylvania, U.S.A.	815LB4 Stroke 2410 mm		6000	1939 5362544	Moremacdove '41 Alchiba '48 Tjipanas '67 Tong Jit	U.S Maritime Comm. for Moore Mc Cormack		3/1973 scrapped Whampoa
34	179 Freighter-C2 Tons 6198 Launch:28.8.1939	 Shipbuilding Co. Chester Pennsylvania, U.S.A.	815LB4 Stroke 2410 mm		6000	1939 5338646	Moremacgull '41 ALCYONE – '47 STAR ALCYONE	U.S Maritime Comm. for Moore Mc Cormack		Broken Up Kaohsiung 11.5.1969 [Yung Shin Steel & Iron Co]
35	180 Freighter-C2 Tons 6198 Launch:18.9.1939	 Shipbuilding Co. Chester Pennsylvania, U.S.A.	815LB4 Stroke 2410 mm		6000	1939 5338696	Moremacklark '41 BETELGEUSE – '47 STAR BETELGEUSE	U.S Maritime Comm. for Moore Mc Cormack		Broken Up Kaohsiung 4.4.1972 [Nan Feng Steel Enterprise Ltd]
36	186 Tons 12150 Pass/Cargo-C3 Aircraft Carrier Launch:27.11.1940	 Shipbuilding Co. Chester Pennsylvania, U.S.A.	2x (533 LB6) With Reduction Gear to Single Shaft	Air by sep. elect driven blowers	9000 Comb Stroke 1524 mm	1941 6112793	HMS Avenger Launched as Rio Hudson	Original Owner: Moore Mc Cormack Lines		Torpedoed by U-155 36.15N/7.45W 15.11.1942
37	187 Tons 12150 Pass/Cargo-C3 Aircraft Carrier Launch:18.12.1940	 Shipbuilding Co. Chester Pennsylvania, U.S.A.	2x 533 LB6 With Reduction Gear to Single Shaft	Air by sep. elect driven blowers	9000 Comb Stroke 1524 mm	1942 6112828	HMS Biter Launched as Rio Parana '45 Dixmude	Original Owner: Moore Mc Cormack Lines		Sunk as target 1966
38	188 Tons 11800 Pass/Cargo-C3 Aircraft Carrier Launch: 1.3.1941	 Shipbuilding Co. Chester Pennsylvania, U.S.A.	2x 533 LB6 With Reduction Gear to Single Shaft	Air by sep. elect driven blowers	9000 Comb Stroke 1524 mm	3 March 1942 6112902	HMS Charger Launched as Rio de la Plata '49 converted to Pass.Ship as Fairsea	Original Owner: Moore Mc Cormack Lines	 1949 Sitmar Lines (Fair sea)	Broken Up La Spezia 6.8.1969

39	189 Air Craft carrier(GBR) Pass/Cargo-C3 Tons 12150 Launch:12.4.1941	 Shipbuilding Co. Chester Pennsylvania, U.S.A	2x 533 LB6 With Reduction Gear to Single Shaft)	Air by sep. elect driven blowers	9000 Comb Stroke 1524 mm	1941 6112948	Dasher 2/6/1942 (Launched as) Rio de Janeiro)	US Maritime for Moore- McCormack Lines Inc		Exploded 55.40N/4.57W 27.3.1943
40	195 Tanker Tons 11237 Launch:22.6.1940	 Shipbuilding Co. Chester Pennsylvania, U.S.A	813LB5		7500	1940 2240029	Esso Augusta '59 WANG IMPORTER	Standard Oil Co of New Jersey		[laid up St Nazaire 1.1960 with engine damage] BU Trieste 1.1961
41	196 Tanker Tons 11355 31.7.1940	 Shipbuilding Co. Chester Pennsylvania, U.S.A.	813LB5 Stroke 2,41m 32" x 95"		7500	1940 2240147	America Sun 1966 America Son	Sun Oil Co 1947 Motor Tankship Corp. 1949 Sun Oil Co. 1966 Transocean Petroleum Carriers Inc.		Broken Up Hong Kong by Mollers LTD Febr. 1968
42	197 Tanker Tons 11237 Launch:13.9.1940	 Shipbuilding Co. Chester Pennsylvania, U.S.A.	813LB5		7500	1940 5367221	Esso Little Rock [1960 cv to bulk carrier, 10188gt/15525dw '59 TRANS-GULF	Standard Oil Co of New Jersey		BU Kaohsiung 23.1.1971 [Hwa Eng Copper & Iron Industrial Co Ltd]
43	199 Cargo/Refr C2-SU Tons 6640 Launch:24.5.1941	 Shipbuilding Co. Chester Pennsylvania, U.S.A.	813LB5		7500	1941 2241750	China Mail '41 Empire Peregrine '42 Ocean Mail	American Mail Line Ltd.		Broken Up Portland, Oregon 4.1968
44	200 Cargo Ship/Refr. Tons 6622 Launch:21.6.1941	 Shipbuilding Co. Chester Pennsylvania, U.S.A.	813LB5		7500	1941 2241157	Island Mail	American Mail Line Ltd		BU Tacoma 3.7.1968 [Zidell Explorations Inc]
45	202 Refr.Freighter Tons 8591 Launch;23.8.1941	 Shipbuilding Co. Chester Pennsylvania, U.S.A.	813LB5		7500	1941 2241646	Lightning	United States Line		BU Terminal Is 7.1971

46	203 Refr.Freighter Tons 8591 Launch:27.9.1941	 Shipbuilding Co. Chester Pennsylvania, U.S.A.	813LB5		7500	1941 2241853	Surprise	United States Line		BU Bilbao 6.6.1970
47	204 Refr.Freighter C2- SU-R Tons 6165 Launch:18.10.1941	 Shipbuilding Co. Chester Pennsylvania, U.S.A.	813LB5		7500	1941 2242113	Staghound	United States Line		Torpedoed by Ital. Sub Barbarigo 3.3.1943 16.44S/36.33W
48	205 Refr.Freighter Tons 8591 Launch:20.12.1941	 Shipbuilding Co. Chester Pennsylvania, U.S.A.	813LB5		7500	1941 2241983	Shooting Star	United States Line		BU Taiwan 1974 (delivered at Suisun Bay 7.6.1974)
49	206 Refr.Freighter Tons 8591 Launch:30.12.1941	 Shipbuilding Co. Chester Pennsylvania, U.S.A.	813LB5		7500	1941 2242112	Sea Serpent	United States Line		BU Vado Ligure 8.1970
50	207 Tanker Tons 11237 Launch:8.2.1941	 Shipbuilding Co. Chester Pennsylvania, U.S.A.	32"LB5 Stroke 95"		7500	1941 2240572	Esso Williamsburg	Standard Oil Co of New Jersey		Torpedoed by: (U211) 53.10N/41.00W 22.9.1942 [Aruba- Reykjavik, fuel oil]
51	212 Tanker Tons 11355 Launch:11.1.1941	 Shipbuilding Co. Chester Pennsylvania, U.S.A.	813LB5 Stroke 2,41m		7500	1941 2240404	Atlantic Sun	Sun Oil Co.		Torpedoed by (U607) 51.00N/41.00W 17.2.1943 [Reykjavik-New York, ballast]
52	219 Tanker Tons 11236 Launch:20.11.1942	 Shipbuilding Co. Chester Pennsylvania, U.S.A.	813LB5 Stroke 2,41m		7500	1942 2242652	Esso Philadelphia "59 Philadelphia	Standard Oil Company of New Jersey		Broken Up Split 2.4.1961
53	220 Tanker Tons 11236 Launch: 18.12.1942	 Shipbuilding Co. Chester Pennsylvania, U.S.A.	813LB5 Stroke 2,41m		7500	1943 2242755	Esso Pittsburg	Standard Oil Company of New Jersey		Broken Up Split 3/1961

54	234 Tanker Tons 11359 Launch: 28.2.1942	 Shipbuilding Co. Chester Pennsylvania, U.S.A.	813LB5 Stroke 2,41m		7500	1942 2241558	Sabine Sun '69 SON	Sun Oil Co.		Wrecked Las Minas Bay 11.1.1970 & bu Castellon 19.4.1970
55	323 Tanker T3-M-AZ1 Tons 11401 Launch:28.6.1943	 Shipbuilding Co. Chester Pennsylvania, U.S.A.	813LB5 Stroke 2,41m		7500	1943 2244086	Brandywine '47 Atlantic Sun	US Maritime Comm.		Damaged 1962 Broken up Hamburg 2.7.1964

MIRAMAR SHIPPING INDEX: <http://www.miramarshipindex.org.nz/>

Sun Shipbuilding & Dry Dock Company, Chester PA

Sun Shipbuilding & Dry Dock Company (Sun Ship) was developed by Sun Oil in 1916 as a tanker builder and was in continuous operation throughout the lean inter-war years.

At the beginning of the WWII emergency, its 8 ways were increased to 20 with \$28mm from the USMC, and later to 28, making it the single largest shipyard in the country.

At its peak it employed more than 40,000 people, organized in four adjacent yards.

The most northerly of the four, known as the #4 Yard, was manned almost exclusively by African-American workers.

After the war, the South Yard and the #4 Yard were sold for industrial development and Sun continued as a merchant shipbuilder in the Central and North Yards.

It was sold to Pennsylvania Shipbuilding (Penn Ship) in 1982, but closed in 1989. The North Yard is now Penn Terminals, a very successful independent cargo terminal, the only U.S. port facility that employs Boilermaker labor.

The Central Yard site has been sold or leased for multiple uses: the south end is now part of neighboring Kimberly-Clark (formerly Scott Paper), the parking lot to the east of Morton Avenue is now a state penitentiary and the big floating dry-dock is now in Galveston; the remainder of the Central Yard is now [Harrah's Chester Casino & Racetrack](#). See the shipyard from the air on Google [here](#): you can still see the old WWII building ways in what used to be the South and #4 Yards.



Design: A.VERHEIJDEN, Stekene, Belgium