

Exh. MM-8r
Docket TP-190976
Witness: Capt. Michael Moore

BEFORE THE WASHINGTON
UTILITIES AND TRANSPORTATION COMMISSION

WASHINGTON UTILITIES AND
TRANSPORTATION COMMISSION,

Complainant,

v.

PUGET SOUND PILOTS,

Respondent.

DOCKET TP-190976

**EXHIBIT TO
TESTIMONY OF
Captain Michael Moore
ON BEHALF OF
PACIFIC MERCHANT SHIPPING ASSOCIATION**

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Chart of the week

The world's largest containerships

- The MSC GÜLSÜN, delivered on 4 July 2019 by Samsung Heavy Industries, has become the largest containership in the world.
- The scrubber-fitted MSC GÜLSÜN is the first 'megamax-24' (or 'MGX-24') containership, a vessel class that stows 24 rows on containers across deck with a beam of 61.50 m.
- These new vessels are one row wider than the current 'megamax-23' ships of 18,000-21,000 teu, which feature beams of 58.60-59.00m.
- Their wider beam gives 'MGX-24' ships a higher nominal container intake of 23,000 teu, while their length overall (Loa) remains at 400 m, similar to 'MGX-23' ships.
- So far, 32 'MGX-24' have been ordered: twelve units for HMM, eleven for MSC, and nine for CMA CGM. Additionally, a number of carriers are said to be in the market for tonnage of this type.

	Nominal TEU tdw	LOA m	Breath m	Depth m	Draft m
MSC GÜLSÜN 6 units in series from July 2019 	22,960 teu 228,149 tdw	399.9	61.5	33.2	16.5
					Operated by MSC Built by Samsung H.I. MSC also has 5 units to be built at DSME
OOCL HONG KONG 6 units in series from May 2017 	21,413 teu 191,317 tdw	399.9	58.8	32.5	16.0
					Operated by OOCL(COSCO) Built by Samsung H.I.
COSCO SHIPPING UNIVERSE 6 units in series from Jun 2018 	21,237 teu 198,485 tdw	399.9	58.6	33.5	16.0
					Operated by COSCO Built by CSSC COSCO also has in addition 11 units of 19,200-20,100 teu built in CSSC/CSIC/COSCO shipyards
MADRID MAERSK 11 units in series from Apr 2017 	20,568 teu 210,019 tdw	399.0	58.6	33.2	16.5
					Operated by Maersk Built by Daewoo (DSME)
EVER GOLDEN 11 units in series from Mar 2018 	20,388 teu 199,692 tdw	400.0	58.8	32.9	16.0
					Operated by Evergreen Built by Imabari
MOL TRIUMPH 6 units in series from Mar 2017 	20,170 teu 192,672 tdw	400.0	58.8	32.8	16.0
					Operated by MOL Built by Samsung H.I.
BARZAN 6 units in series from Apr 2015 	19,870 teu 199,744 tdw	400.0	58.6	30.6	16.0
					Operated by UASC Built by Hyundai Samho/Hyundai H.I.
MSC OSCAR 12 units in series from Jan 2015 	19,224/19,437 teu 197,362 tdw	395.4	59.0	30.3	16.0
					Operated by MSC Built by Daewoo (DSME) MSC also has in addition 6 units of 19,462 teu built in Samsung and 2 units of 19,368 teu at Hyundai H.I.
CSCL GLOBE 5 units in series from Nov 2014 	18,982 teu 184,320 tdw	399.7	58.6	30.5	16.0
					Operated by COSCO Built by Hyundai H.I.
Maersk 'EEE' 20 units in series from Jun 2013 	18,340 teu 194,153 tdw	399.2	59.0	30.3	16.0
					Operated by Maersk Built by Daewoo (DSME)

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project

ALLIANCE UPDATES

The world's largest containerships from 1956 to 2019

Year	Ship	TEU	Origin/Shipyard	Operator
1956	IDEAL X	96	Converted T-2 tanker	Pan-Atlantic Steamship
1957	GATEWAY CITY	395	Converted C-2 cargo ship	Pan-Atlantic Steamship
1960	SANTA ELIANA	405	Converted C-2 cargo ship	Grace Line
1960	HAWAIIAN CITIZEN	490	Converted C-3 cargo ship	Matson
1962	ELIZABETHPORT	833	Converted T-3 tanker	Sea-Land Service
1966	TRENTON	1,066	Converted C-4 cargo ship	Sea-Land Service
1968	AMERICAN LANCER	1,210	USA (Sun Shipyard)	US Lines
1969	ENCOUNTER BAY	1,512	Germany (HDW)	Overseas Containers Ltd
1970	DART EUROPE	1,556	UK (Swan Hunter)	Dart Container Line
1971	EUROLINER	2,050	Germany (Rheinstahl-Nordseewerke)	Seatrain Lines
1972	TOKYO BAY	2,968	Germany (HDW)	Overseas Containers Ltd
1972	HAMBURG EXPRESS	3,010	Germany (Blohm & Voss)	Hapag-Lloyd
1981	FRANKFURT EXPRESS	3,430	Germany (HDW)	Hapag-Lloyd
1984	AMERICAN NEW YORK	4,234	Korea (Daewoo)	US Lines
1988	PRESIDENT TRUMAN	4,528	Germany (HDW)	APL
1988	MARCHEN MAERSK	4,814	Denmark (Odense)	Maersk
1994	NYK ALTAIR	4,953	Japan (IHI)	NYK Line
1995	OOCL CALIFORNIA	5,344	Japan (Mitsubishi)	OOCL
1996	REGINA MAERSK	7,403	Denmark (Odense)	Maersk
1997	SOVEREIGN MAERSK	8,200	Denmark (Odense)	Maersk
2000	CORNELIUS MAERSK	8,400	Denmark (Odense)	Maersk Sealand
2003	AXEL MAERSK	8,650	Denmark (Odense)	Maersk Sealand
2005	GUDRUN MAERSK	9,500	Denmark (Odense)	Maersk Sealand
2006	EMMA MAERSK	15,550	Denmark (Odense)	Maersk
2012	CMA CGM MARCO POLO	16,020	Korea (DSME)	CMA CGM
2013	MAERSK MCKINNEY MOLLER	18,340	Korea (DSME)	Maersk
2014	CSCL GLOBE	18,982	Korea (Hyundai H.I.)	China Shipping
2015	MSC OSCAR	19,244	Korea (DSME)	MSC
2015	BARZAN	19,870	Korea (Hyundai Samho)	UASC
2017	MOL TRIUMPH	20,170	Korea (Samsung H.I.)	MOL
2017	MADRID MAERSK	20,568	Korea (DSME)	Maersk
2017	OOCL HONG KONG	21,413	Korea (Samsung H.I.)	OOCL
2019	MSC GÜLSÜN	22,960	Korea (Samsung H.I.)	MSC

Development of container ship sizes : 1965 to 2019

