**MAIN DATA**

- Length over all: 172.7 m
- Deadweight, max.: 25,000 dwt
- Gross Tonnage: abt. 18,000 GT
- Service speed: 14.5 knots
- 2-stroke DF main engine: 6,150 kW
- Operation range: “Worldwide”
- Cargo segregation: 12 cargo tanks
- Fuel oil cons. serv. speed on design draught (LNG mode, 85% MCR): 17.7 t/day

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**TANKER FOR OIL PRODUCTS AND CHEMICALS IMO II & III TYPE**

- Latest Dual Fuel technology to operate on LNG in ECA zones (IMO Tier III) and HFO/MGO outside at competitive fuel costs
- Single decked with machinery and accommodation located aft
- Single screw propulsion with low speed DF main engine
- Superior hull lines, CFD optimized
- Low fuel oil consumption, high propulsive efficiency
- Twelve (12) cargo tanks + two (2) slop tanks by means of transverse bulkheads and CL longitudinal bulkhead
- Cargo handling with high loading/discharging capacities
- Double bottom and double shell protection
- Clean design — fuel tanks in engine room arranged with cofferdams against outer shell
MAIN DIMENSIONS
Length over all, approx. .................. 172.70 m
Length between PP ........................ 164.00 m
Breadth moulded ............................ 26.00 m
Depth moulded, approx. .................. 13.80 m
Design draught .............................. 9.20 m
Scantling draught ............................ 10.00 m
Deadweight, des. draught............... 21,900 t
Deadweight, scantl. draught ........... 25,000 t

SPEED
Service speed, design draught......... 14.5 knots
(85% MCR, 15% Sea Margin, 400 kW S/G)
Trial speed, approx. ....................... 16.0 knots
(100% MCR, no S/G)

CONSUMPTION AND ENDURANCE
Daily fuel consumption (LNG) @ Td .... 17.7 t/day
Daily fuel consumption (MDO) @ Td ... 22.0 t/day
Daily fuel consumption (HFO) @ Td ... 23.1 t/day
(at 85% MCR condition)
Endurance, serv. speed (on LNG) ...... 7,000 nm
Endurance, serv. speed (on HFO) ....... 9,000 nm

CAPACITIES
Cargo tanks 100% (excl.stop) ........... 30,000 m³
Slop tanks, approx. ....................... 500 m³
Ballast water tanks, abt. .................. 11,500 m³
HFO, approx. ............................... 650 m³
MDO/MGO, approx. ....................... 350 m³
LNG tanks, approx. ....................... 860 m³
Lub. Oil, approx. ........................... 50 m³
FW (tech. & potable), approx. ........... 450 m³

CARGO EQUIPMENT
Discharge rate .............................. 2100 m³/h
Cargo pumps (deepwell) ................ 12 x 350m³/h
120 mLC, SG 0.80 t/m³, electrical
Slop pumps (deepwell) .................. 2 x 150m³/hr
120 mLC, SG 0.80 t/m³, electrical
Residue pump (deepwell) ............... 2 x 50m³/hr
100 mLC, SG 0.80 t/m³, electrical
Portable pump ............................. 1 x 70m³/hr
100 mLC, SG 0.80 U/m³, hydraulic

ENVIRONMENTAL
- Available for configuration with SCR (NOx) and Scrubber (SOx) technology
- Ballast water treatment unit ...... 1000 m³/hr
- (ultra-violet type)

ESDs
- EnergoPac

DECK’S MACHINERY
- Two (2) separate combined anchor/mooring windlasses with double drums and one (1) warping head – forecastle deck
- Two (2) mooring winches with double drums and one (1) warping head – poop deck
- Two (2) mooring winches with double drums – main deck
- One (1) electro-hydraulic steering gear
- One (1) el.-hydr. hose crane SWL 10.0 t @ 21.0 m

MACHINERY
Main engine MCR (W6X52DF) ............ 6,150 kW
Generator sets (6L200DF) ............... 2 x 1110 kW
Shaft generator ................................... 1 x 1,200 kW
Emerg. / harbour generator ............ 1 x 200 kW
Propeller ........................................ 1 x CPP, Ø 6.200 m

E-PLANT 230 W/440 V
Power ........................................... 440 V, 60 Hz
Lighting ........................................ 230 V, 60 Hz
Automation ................................... 230 V, 60 Hz / 24 VDC

ACCOMMODATION
20 persons full HVAC in single cabins

CLASSIFICATION
DnV + 1A1, Tanker for Chemicals and Oil Products ESP, CLEAN, NAUT-OC, E0, ETC, VCS-2, BIS, TMON, GAS FUELLED

Register notations:
Ship type 2, d=1025 kg/m³, a2, b3, c3, v3, f2, str.0.1
or equivalent IACS

E-mail: shipdesign@wartsila.com

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