GENERAL
Yard number 512546
Delivery date June 2018
Basic functions Push-pull, escorting, towing and fire-fighting operations
Classification Bureau Veritas
I X HULL ● MACH Escort Tug
Inwatersurvey Fire Fighting Ship 1
Flag Oman
Owner Bawhan Lamnalco SAOC

DIMENSIONS
Length overall 32.70 m
Beam overall 12.82 m
Depth at sides 5.35 m
Draught aft 5.38 m
Displacement 761 t

TANK CAPACITIES
Fuel oil 155.3 m³
Fresh water 15.4 m³
Sewage 5.1 m³
Lubrication oil 8.2 m³
Dirty oil 6.7 m³
Bilge water 6.7 m³
Foam 10.4 m³
Dispersant 5.3 m³

PERFORMANCES
Bollard pull ahead 83.3 t
Bollard pull astern 73.3 t
Speed ahead 13.9 kn
Speed astern 13.8 kn

PROPULSION SYSTEM
Main engines 2x Caterpillar 3516C HD+ TA/D
Total power 5050 kW (6772 bhp) at 1800 rpm
Thrusters 2x Rolls Royce US 225 P30 FP Special
Propeller 2800 mm fixed pitch
Forced ventilation 20,000/40,000 m³/h

AUXILIARY EQUIPMENT
Generator sets 2x Caterpillar C7.1 TA, 230/400 V, 125 kVA, 50 Hz
General service pumps 2x Sterling AKHA 6101 each 34 m³/h
Bilge pump Megator L 125V-DBP
Fuel pumps Sterling AKHA 5101 and AOHA 3101
Fuel oil purifier Westfalia OTC 3-02-137
Cooling system Box cooling + anti-growth system
Sewage treatment plant Tecnomar ECOmar 20
Fire fighting system Main engine driven pumps
Pollution control Dispersant pumpset with 2 spraybooms
Pumps 2x caterpillar C7.1 TA, 230/400 V, 125 kVA, 50 Hz

DECK LAY-OUT
Anchor 2x 495 kg Pool (High Holding Power)
Anchor/towing winch Hydraulically driven double drum two speed winch, pull 38 ton at 12 m/min, slack rope speed up to 38 m/min, 200 ton brake
Capstan Electrically driven, 5 ton at 15 m/min
Towing hook aft Mampaey SWL 100 ton
Fendering D-fender at sides, cylinder fender at transom corners, cylinder bow fender with water spray

ACCOMMODATION
For 10 persons, insulated and finished with durable modern linings, acoustical ceiling in the wheelhouse, floating floors and air-conditioned. With 6 cabins, galley, mess/dayroom, switchboard room, dry store and sanitary facilities.

NAUTICAL AND COMMUNICATION EQUIPMENT
Searchlights 2x Norselight 2000 W
Radar system Furuno FAR-2117
Compass Cassens & Plath, type Kotter
Autopilot Robertson AP-70
GPS Furuno GP-170
Echosounder Furuno FE-800
Speed log Furuno DS-80
VHF Furuno GP-170
VHF hand-held 2x Jotron Tron TR-20
Navtex Furuno NX-700A
AIS Furuno FA-150
SSB Furuno FS-1575
LRR Furuno Felcom 19
EPIRB Jotron TRON-60S
SART Jotron TRON-SART20
Anemometer Windsonic OMC 115
AZIMUTH STERN DRIVE TUG 3212
“SL MURJAN”