6,400 BHP TWIN SCREW ANCHOR HANDLING TUG SUPPLY BOAT

Name of Vessel	**ENA CHALLENGER**
Type of Vessel	Anchor Handling Supply Tugboat
Flag	Singapore
Class	ABS ✠ A1 Towing Vessel, Fire Fighting Vessel Class 1, Offshore Support Vessel, AH, ✠AMS, ✠DPS2
Built	2009
Gross Tonnage	2583
Net Tonnage	774
Length Overall	61.25 metres
Length B.P.	56.53 metres
Breadth Moulded	18.00 metres
Depth Moulded	6.93 metres
Draft Designed / Max	4.50 metres / 5.10 metres
Designed Speed	12.5 knots
Endurance	30 days
Bollard Pull	88.4 tons
Berth	Total 48

Fuel Capacity	613 m3
Fuel consumption	18.0 tons / 24 hrs
Fresh Water	342 m3
Fresh Water Consumption	3.5 tons/day
Lubricating Oil	6.0 m3
Drill water / S.W. Ballast	730 m3
Dry Bulk Tank	170 m3 (4 x 42.5 m3)
Mud Tank	287 m3
Dispersant	9.3 m3
Foam	9.3 m3

Main Engines	2 units x Yanmar 8E280M-EV Diesel engines, each of 3,200BHP @ 720 RPM, total 6400 BHP
Propulsion	Twin screw controllable pitch propellers (Berg)
Generating Sets	3 units Caterpillar 3412 engine each driving a 534KW alternator, 2 units shaft generators, each driving a 1200KW alternator, 1 unit emergency generator, Cummings 112 kw.

Particulars indicated are believed to be accurate but given entirely without warranty. Interested parties are advised to verify details through inspections/verifications.

Bow Thruster **Stern Thruster** **Shark Jaw** **Tow pins** **Stern roller**	2 x 8.0 tons cap. Controller pitch type 1 x 6.0 tons cap. Controller pitch type 1 set x 500 tons, hydraulic 1 set x 500 tons, hydraulic 2.0 m dia. x 6.0 m, cap 400 tons
Deck crane	1 x 5 tons SWL x 17 m rad.
Towing Winch **Rope reels**	Plimsoll 250 tons @ 0~6 m/min (1st speed) Brake holding capacity : 400 tons (1st. layer) Drum capacity: 2000 m. x 64 mm.dia. @ 12 layers 2 x 10 tons pull @ 15m/min (1st layer) wire capacity – 2000m x 64mm dia. @ 11 layers
Tugger winch **Capstan** **Windlass**	2 units 10 tons x 15m/min. 2 units 5 tons x 15m/min Electro hydraulic, 7 tons @ 10 m/min.
Deck space (wood sheathed) **Deck Cargo** **Deck Strength**	30.0 m x 15.0 m (450 sq.m) 600 tons 7.5 tons / sq. m.
Fire-pump **Fire monitor**	FF1 – 2 x 1500 m3/hr x 14 bar 2 units at 1200 m3/hr each, throw height 45 m
Dispersant spray boom	2 spray nozzles , pump 36 m3/hr @ 30 m head
Cargo Fuel oil transfer pump **Cargo Fresh / drill water transfer pump** **Liquid Mud Pump** **Bulk Air Compressors**	1 x 100 m3/hr. at 60 m head 1 x 100 tons/hr. at 60 m head 2 x 66 m3 /hr at 60 m head 2 x 20.5 m3/min at 5.6 bar
Navigational & Communications Aids	GMDSS (Area A3), Mini-M, Radars, Gyro-compass, Auto Pilot, GPS, Satellite navigator, SSB, VHF, Echo Sounder, Navtex receiver, weather fax, AIS,

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