

Tug "RADE"

Name of Vessel; RADE
Port of Registry / Flag;
IMO/ MMSI 9307504 / 436000120
Year of Delivery 2003
Type Twin Screw Ocean Going Tug.
Classification BV I HULL/MACH Tug (Unrestricted Navigation)
Length over all (LOA) 26.80m (24.52m BP)
Breadth / Depth / Draft (Light/Max) 8.0m / 3.88m / 3.00m / 3.27m
GRT / NRT / DWT 203T / 61T / 454T
Clear Deck Space 50m ²
Speed 11.5 knots
Bollard Pull (Certified) 44.0 metric tonnes
Accommodation Fully heated & air conditioned for 6 men in five cabins.
Lifesaving To meet SOLAS requirements
Fire Fighting To meet SOLAS requirements

Fuel 137.3m ³
Fresh Water 50.5m ³
Black & Grey Water holding tanks 25.6m ³
Main Engines 2 x Cummins KTA50 M2HX high speed, sixteen cylinder diesel engines producing 2648kW (3551bhp) total @ 1800 rpm.
Generators 2 x 45kW (56KVA) Cummins 4 BT 3.9-G2M diesel generators rotating @ 1500 rpm, 50 Hz.
M.E. Consumption 6,950 litres MGO-and 18 litres lube oil per 24 hours @ full power. 4,000 litres MGO-and 8 litres lube oil per 24 hours @ economic cruising speed of 9.5 knots
Generator Consumption 260 litres MGO-and 2 litres lube oil per 24 hours
Propulsion 2 x ZF Masson RSL-1250 6.01:1 reverse reduction gearboxes coupled to four bladed 2180mm diameter fixed pitch propellers rotating in high Performance Kort Nozzles @ 299.5rpm
Steering Gear STM AT612-517-00 tied electro hydraulic, 5T/M torque, 7.5kW, 35° max rudder angle.
Anchor Windlass STM 226 Q45-23-00 Electric windlass 1.823 ton SWL @ 12 or 4m/min.
Anchors 2 x 350 kg short shank HHP Hall's anchors.

Anchor Chain 2 x 197.5m 20.5mm U2 stud link chain
Fendering Solid rubber pusher bow and tyre fendering system to facilitate ship handling. Solid rubbing band and tyre protection on both vessel parallel sides.
Towing/Anchor Winch STM Single drum electric winch. Type; CB-E46-BF 50 tonnes brake capacity. 600M x 44mm wire and spare wire 600m x 44m
Deck Machinery Bochi Machinery company 100 tonne SWL electro hydraulic flush mounted towing pin and shark jaw unit.
Cutting Equipment Two bottles oxygen and one bottle Propane complete with cutting torch.
Navigation Equipment Radar 1: Furuno Navnet 4 kW X-band Radar 2: JRC 2254 4 kW X-band Sat Compass: Kodan KGC-1 Echo sounder: Furuno ETR-30R 200Khz GPS Navigator: Kodan KGP 913 Mag Compass: Reflecta 4 AIS: Samyung SI-30
Communication Equipment GMDSS: A3, Sailor 5000 series Navtex: Samyung SNX-300 Emergency VHF: Sailor SP3520 x3 Hand held VHF: Icom-M36 x2
Other Navigation Equipment Autopilot: Navis-3000. Fleetbroadband 150