



Name of Vessel

Ocean Tern

Port of Registry / Flag

Astrakhan / Russia

IMO# / MMSI

7336654 / 436000171

Year of Delivery

1974 (Rebuilt 1985)

Type

Voldness Skipsverft 250 Class PSV/EERV/Safety Standby Vessel.

Classification

RMRS *1A1 Supply vessel SF (Unrestricted Navigation)

Length over all (LOA)

57.04m (52.93m BP)

Breadth / Depth / Draft (Light/Max)

11.5m / 5.5m / 2.85m / 3.50m

GRT / NRT / DWT

1104T / 331T / 812T

Clear Deck Space

220m²

Speed (Max / Service)

10.5 knots / 9.5 knots

Endurance

30 days

Accommodation

Fully heated & air conditioned for 30 men in 1 x Ten, 1 x Nine, 1 x Two, & 9 x single berth cabins.

Lifesaving

To meet SOLAS requirements

Rescue Class

UKOOA Class B (300 Pax) Complete with 2 x 15 man 25 knot FRC's and Decon Scoop & Rescue Basket.

Fuel / Fresh Water / Dry Bulk / Sewage

338.8m³ / 226m³ / 84m³ / 32.58m³

Liquid Mud or Treated Sewage

120.1m³

Main Engines

2 x De Industries 6D7 HDN medium speed six cylinder diesel engines producing 1367kW (1860bhp) total @ 385 rpm with Brown Boveri VTR-250 Turbo Chargers.

Propulsion

2 x Hjelset RKT/52 1:1 gearboxes coupled to three bladed 1400mm diameter CPP rotating @ 385rpm

Generators

2 x main Diesel Generators, Caterpillar D-343, 205kW (275bhp) @ 1800rpm.

1 x Harbour generator, Caterpillar 3304, 60kW (81bhp) @ 1800rpm.

M.E. Consumption

6,000 litres MGO and 25 litres lube oil per 24 hours @ full power. 3,500 litres MGO and 15 litres lube oil per 24 hours @ economic cruising speed of 8 knots

Generator Consumption

450 litres MGO and 4 litres lube oil per 24 hours. Harbour set 200 litres & 1 litre lube oil per 24 hours.

Bow Thruster

KPS tunnel thruster driven by Caterpillar 334, 240bhp (179kW) @ 2000rpm. 2.5 tonnes thrust. Ulstein

Stern Thruster (Optional)

Ulstein Tunnel Diesel/Electric thruster, 500bhp (373kW). 5 tonnes thrust.

Fuel Oil Purifier

Alfa Laval MAB 104-14-060.

Lube Oil Separator

Alfa Laval MAB 104R-24-60 4108-5.

Oily Water Separator

Heli-Sep 1000-OCD Flow Capacity - 4.4 GPM.

Aux. Boiler

A/S TASSO ODENSE DENMARK. Type: T-7, 8 Bar, 75 Mcal/hr.

Main Air Compressor

Hatlapa W 25. Capacity 17.7m³/h @ 30 Bar.

Deck Compressor

Sperre Mek Verksted LL 2/90 Capacity 165m³/h @ 7 Bar.

Bulk Compressor

Atlas Copco BE 63. 3.5 Bar Working Pressure.

Mud Pump

TRW MISSION STK-4 x 3/60 HIMAG 30-60m³/hr.

Fuel Cargo Pump

HOUTTUIM 2D 112/68 HO. Capacity 77m³/h @ 1750rpm & pumping head of 61 m.

Fresh Water Cargo Pump

HOUTTUIM 2D 125/68 HO. Capacity 80m³/h @ 1750rpm & pumping head of 61 m.

Main Fire Pump

HOUTTUIM 2D 112/52 HO. Capacity 48-53m³/h @ 1750rpm & pumping head of 25-60 m.

Emergency Fire Pump

ALLWEILER A6 NB 40-160/170 U3.1D W3. Capacity 50m³/h @ 3500rpm.

Portable Emergency Fire Pump

Hidels Pump SE-80XD BBN-1. Capacity 25m³/h.

Steering Gear

Builder-Motor Fabriken BUKH A/S Kalundborg; type designation-40/4 LD, steering gear No:3942; specified max. moment from the steering gear-6000kpm; max. working pressure-60kp/cm²/hydr.; Main pump type-P4/256 No:2220,2221; Wheel pump type-32/235 No:5541; Self steering pump type-298 No:2285

Anchor Windlass

Brattvaag Hydraulic Norway MA 4/100-302 7 tonnes @ 8m/min.

Anchors

2 x 1250 kg HHP Stockless anchors

Anchor Chain

Diameter 30mm. Port anchor 10.5 shackles, Starboard anchor 9.5 shackles.

Deck Crane

Hydralift MH 8212-4 Voldenes Skipsverft build #43, Norway. 2.4t @ 8 m.

Tugger Winch

Brattvaag Hydraulic Norway MA 8/71-45 5 tonnes pull.

Navigation Equipment

Radar: FURUNO PRU-013/FURUNO FR-7062

Gyro: Tokio Keiki, Sperry SR-120

Autopilot: SIMRAD AP-50

Echo Sounder: JRC/JFE-380

GPS: Simrad GN-33/ FURUNO Navigator GP-80. V

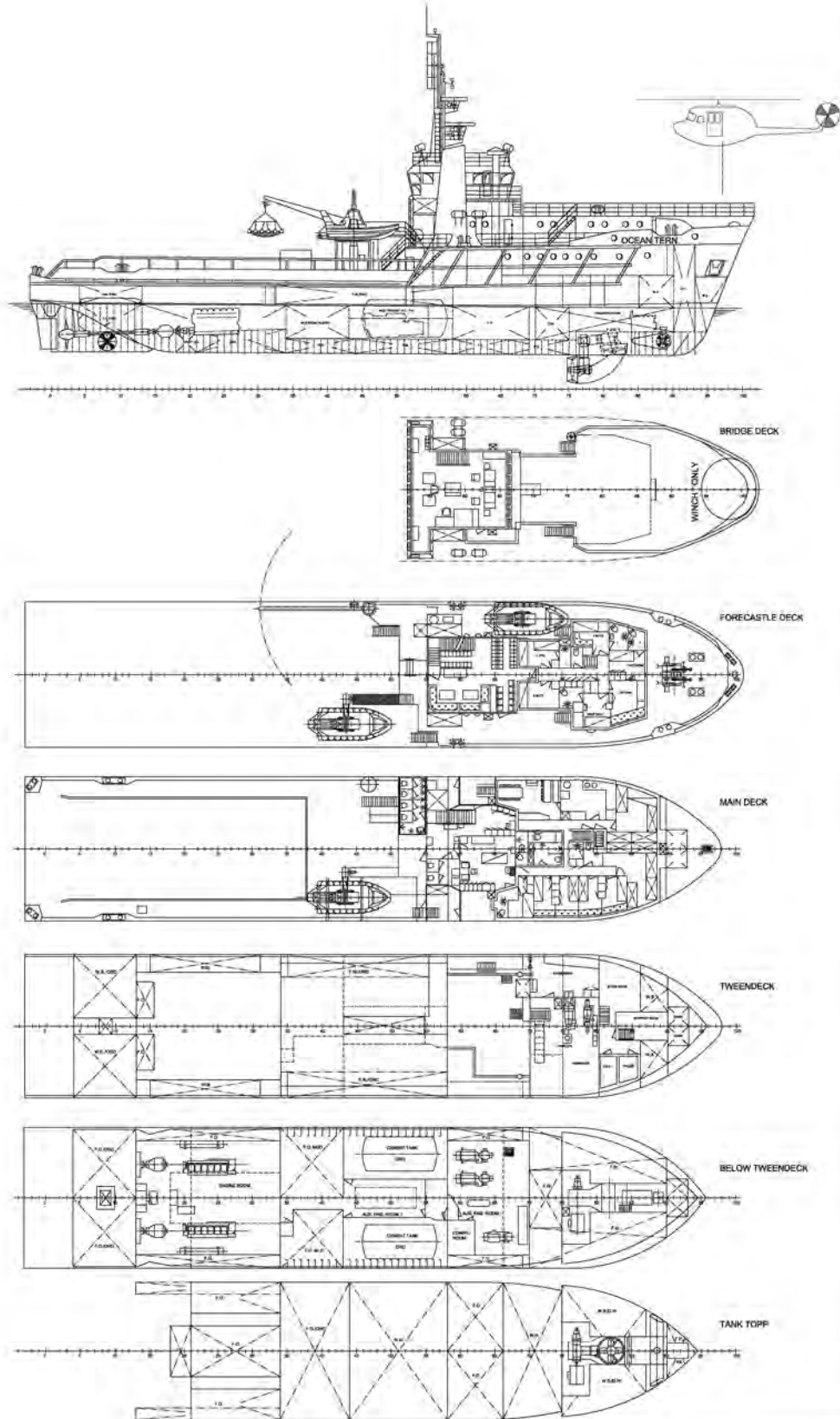
Sat: INM-C terminal Sailor

Radio Communication Equipment

3 x VHF Sailor, 1 x VHF SADGEILOR, 1 x VHF Shipmate RS-8400, 1 x VHF Sailor RT-2048, 1 x VHF DSC Sailor RT-2052, 1 x VHF DSC Sailor RM-2042, 1 x HF SSB Sailor RM-2151, 1 x HF SSB DSC Sailor RM-2150, 1 x Mini-M Inmarsat NERA, 1 x HF SSB Sailor 2130, 1 x Sailor Control Unit H 2180 A, 3 x VHF GMDSS JOTRON/TRON, 3 x VHF portable ICOM, 1 x VHF ICOM IC-A110, 1 x VHF FSG-4

Other Navigation Equipment

Radar, Transponder, P.A. System c/w Fog Horn Signal, Anemometer. Fleetbroadband 150



CASPIAN MAINPORT	PROJECT	CM OCEAN TERN		VESSEL
SIZE	DESIGN	DRAWN	DWG NO	REV
A1			cmoceantern-001-11	
SCALE 1:125	DATE 28.2011	SHEET	OFF	