



HIND KHUSH

12240 BHP ; 120 TBP ; Deepwater Ice Class Anchor - Handling Towing Supply Vessel

General

Built Flag	1983 at Hyundai Heavy Industries, Ulsan. Korea.
Port of Registry	Funafuti
Call sign	T2RJ3
Official No.	23098310
Classification:Lloyd's	+100A1. +LMC UMS "Offshore Tug/Supply Vessel" Ice Class 1*

Deck Load Capacities

Deck cargo capacity	550 ts
Deck measurement	36.0 m x 11.0 m
Cargo rail height	20m / 11.5m
Deck Strength	5 ts/m ²

Mud / Bulk Tank Capacities

Cement	4 tanks, totalling 290m ³ (10.240 cu.ft)
Liquid mud	max. 1200 barrels in 2 tanks
Discharge rate cement	2 x 19.2m ³ /h compressors. 80 psi
Discharge rate mud	2 x 60m ³ /h at 60 m head

Liquid Tank Capacities

Potable water	330 cu.m
Drillwater/ballast	681 cu.m
Total fuel	937 cu.m
Domestic fuel	520 cu. m
Rig fuel oil (diesel)	417 cum
Discharge rate potable water	150 cu.m/h at 60 m head
Discharge rate drill water	100 cu.m/h at 60 m head
Discharge rate oil	150 cu.m/h at 60 m head
Discharge stations	aft under cargo rails
Discharge lines	All 4" with WECO couplings

Propulsion

Main engines	4 x Bergen diesel/type KVMB-12 each 3,060 BHP. total 12,240 BHP.
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Speed / Consumption

Max. speed/consumption	consumption according to Yard trail 16 kts on 30ts gas oil/24 hrs.
Economical speed	12 kts on abt. 18.0 ts 10 kts on abt. 12.5 ts 8 kts on abt. 9.0 ts
Consumption in port » stand-by, at sea	0.5 ts/24 hrs. abt. 5.0 ts/24 hrs.
Bollard Pull	120 tons continuous
Propellers	2 x Ulstein controllable pitch in nozzles.
Thrusters	
Stern	1 x 800 BHP
Bow	2 x 800 BHP Ulstein make all electrical driven

Generators

Generators	2 x 1570 kva shaft generators 2 Caterpillar diesel each driving a 250 KW generator. 1 Caterpillar diesel driving a 94 kva generator.
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Bridge Equipment / Manoeuvring

Joystick control	Ulstein Joystick control
Autopilot	Robertson
Gyro compass	RGC -11
Radars	1 x Decca Bridgemaster 250 (10cm) 1 x Decca Bridgemaster 180 (3cm) + Slave monitor Decca MX 400 Professional Navigator
Echo sounder	Scipper 60s -101
Facsimile receiver	Furuno fax 208A
DGPS	trimble 4000DS DGPS Positioning eqm incl. Hydro Nav. Package software

Communication Equipment

Complete GMDSS package consisting of: 1 x TT3606A Sat-c comm. Units
 1 x TT 3020C Sat-c comm. Unit.
 Sailor compact VHF RT 2048.
 Furuno MF DSC terminal/receiver Furuno VHF radiotel FM 8500.
 Furuno VHF radiotel FM 8500.
 Furuno FS 1562 15 transceiver 4 VHF portable radios Standart Horizont.

Other comm. equipment: 1 x Command Intercom PSA 204
 Iridium ID telephone
 1 x Saturn M telephone Nera
 1 x HP PC with e-mail connection

Towing and Anchorhandling Equipment

Winch Brattvaag hydraulic triple drum. Waterfall type with 250 ts pull and 400 ts static holding force. 2 anchorhandling drums each for 1,000m 64mm diameter deadman wire. 1 towing drum for 1.000 m 64 mm diameter towing wire.

Pennant reels pennant reel for 900m 76 mm wire + 2 x 500m 76 mm wire.

Wildcats For 3"/76 mm rig chain

Chain lockers 2 rig chain lockers - 104 cu.m for 1150 m of 3" chain each.

Deck Equipment

Capstans 1 pc. 8,5 ts pull capstan on focsle head hydraulic driven.
 2 pcs 5ts pull capstans on aft deck hydraulic driven.
 2 pcs 5 ts pull tugger winches hydraulic driven.

Crane 1 crane. 5 ts. 9m outreach

Cargo Deck aft

Towing pins 2 hydraulically operated towing pins, permit side pressure 501

Stern roller 1 x350 ts SWL stern roller with dia. of 1.8 m and length of 3.66m.

Furthermore, the vessel is well equipped with stoppers, chaser, grapnel, shackles, fuse wires, etc.

Anchoring System

Hydraulic winch with 24 shackles of 36 mm chain.
 1 x deep water anchor winch with declutchable drum cap. of 1,500 m x 38mm diameter wire, remote controlled from wheelhouse.
 Anchoring depth 400m

Accommodation

Crew cabins 13 persons in single cabins.
 All accommodation, bridge and engine control rooms are fully airconditioned. Separate air condition units installed for bridge and engine control room. Extra insulation for work in cold areas.

Rescue / Safety / Pollution

Spray Booms : Yes
 Lifeboats : 2 x 16 persons
 Liferafts : VIKING 4 x 20 persons
 VIKING 2 x 20 persons

Note : All Specifications Subject to Change Without Notice