



TECHNICAL SPECIFICATIONS

59M/5150BHP ANCHOR HANDLING TOWING SUPPLY VESSEL



OUTLINE SPECIFICATION

PRINCIPAL PARTICULARS

Keel laid	2008
Year Built/Delivered	2008
GRT/NRT	1678/503
Class	BKI / ABS
Class Notation	* A1, Towing Vessel, AH, Offshore Support Vessel, (E), Fire-Fighting Class 1, *AMS Unrestricted voyage

DIMENSIONS

Length Overall	59.0m
Length BP	52.2m
Breadth Moulded	14.95m
Depth Moulded	6.10m
Draft Moulded	4.50m

PERFORMANCE

Performance Speed	Approx 13.0 Knots (During sea trial)
Type of Fuel	Marine Gas Oil
Bollard Pull	Approx. 63.77MT

CAPACITIES

Fuel Oil Tank	536 M ³ @ 100%
Fresh Water Tank	370 M ³ @ 100%
Ballasts/Drill Water Tank	400 M ³
Mud Tank	419 M ³
Bulk Cement Tank	187 M ³ (4 x 1650 Ft)
Foam	13 M ³
Detergent	13 M ³

DISCHARGE RATES

Fuel Oil	1 x 150 M ³ /hr @ 75m head
Potable Water	1 x 125 M ³ /hr @ 75m head
Drill Water	1 x 100 M ³ /hr @ 75m head
Liquid Mud	2 x 75 M ³ /hr @ 75m head
Bulk Cement	2 x 13M ³ /Min @ 5.5 Bar, Compressed Air

MACHINERY

Main Engines	Caterpillar, CAT3516B
Rating	2 x 2575bhp @ 1600rpm
Gear Box	Reintjes LAF 873L (ratio 7.526:1)
Generators	Caterpillar, 3408
Rating	3 x 340KW (415V/3ph/50hz)
Bow Thruster Engine	1 x Kawasaki KT-7283, CPP
Bow Thruster Thrust	8 tonnes thrust
Propellers	Berg, CPP Dia. 4200mm
Rudders	2 x Conventional

ACCOMMODATION

Crews	4 x 1 man Cabin = 4 men 3 x 2 men Cabin = 6 men 8 x 4 men Cabin = 32 men
Total	42 men Cabins, Fully Air Conditioned
Hospital	1 x 1 man hospital

DECK AREA

Deck Cargo Bay	27.5m x 12.4m (Approx)
Deck Strength	7.5 tonnes/m ²
Clear Deck Area	341m ²

RADIO & NAVIGATION EQUIPMENT

Radar No.1	1 x Furuno (MK3 AP)
Radar No.2	1 x Furuno (RPU-013)
Projection Magnetic Compass	1 x Cassens & Platt
GPS	2 x Furuno (GP-150) & (GP 32)
Anemometer	1 x Navman (W3150)
Echo Sounder	1 x Furuno (FE-700)
Speed Log	1 x Furuno (DS-80)
Gyro Compass	1 x Raytheon (ST22)
AIS	1 x Furuno (FA-150)
Autopilot	1 x ANSCHUTZ (NP60)
GMDSS VHF Radio	3 x McMurdo (R2)
EPIRB	1 x McMURDO (E3)
SART	2 x McMURDO (S4)
Navtex Receiver	1 x Furuno (NX-700B)
Weather Fax	1 x Furuno (FAX-408)

DECK EQUIPMENT

Anchor Handling/Towing Winch Type	1 x 150tonnes line pull, brake holding 200tonnes Hydraulic, double drum, waterfall, c/w spooling device
Upper drum	56mm dia x 1000m
Lower drum	56mm dia x 1000m
Hydraulic Storage reel	1 x 5 tonnes @ 30m/min
Reel capacity	56mm x 1000m
Capstan	2 x 5tonnes @ 15m/min
Anchor	2 x HHP Anchor 2295 kg
Windlass	1 x 10 tonnes @ 9m/min
Anchor cable	440m total length
Tugger winch	2 x 10tonnes @ 15m/min
Deck Crane	1 x Electro hydraulic, 3t SWL @ 9m Radius
Shark Jaws	SWL 300 Tonnes, Karm Fork
Towing Pin	SWL 160 Tonnes, karmoy
Lock Jaws	SWL 200 Tonnes
Stern Roller	SWL 200 Tonnes

FIRE-FIGHTING EQUIPMENT

Fire Pump	2 x 1400 M ³ /hr at 13 Bar PTO to M/E
Fire Monitor	1 x WaterJet type, 1 x Water/Foam type Capacity : 1200 M ³ /hr at 12 Bar, 120m throw meeting FIFI Class 1 requirement
Fixed Water Spraying System	All round curtain, 10ltr/min/m ²
Emergency Fire Pump	1 x 35m ³ /hr @ 4.5 Bar, electric driven

LIFE SAVING EQUIPMENT

Inflatable Liferaft	6 units x 25 person
Life Jacket	As per SOLAS and Class requirement
Life Buoy	As per SOLAS and Class requirement
Rescue Boat	1 unit x 6 persons
Line Throwing Apparatus	4 units x 4 projectiles and lines
Parachute Distress Rocket	As per SOLAS and Class requirement
Orange Smoke Signals	As per SOLAS and Class requirement

OTHERS

Sewage Treatment Plant	1 x 50men (minimum)
Liquid Mud and Brine Pump	2 x 75m ³ /hr @ 75m Head
Water Maker	1 x 2 ton/day