



Registry
Singapore

Year of Delivery
2006

Type
Ocean Going / AHT/ Towing Tug

Classification
ABS + A1, Towing Vessel, (E),
+ AMS

Dimension
40.0m x 11.4m x 4.95m

Draft
4.0m (Designed), 4.4m (Max)

GRT / NRT / DWT
497T / 149T / 285T

Clear Deck Space
16.5m x 8.5m

Deck Strength
Main Deck -5T/m2

Speed
12.5 knots

Bollard Pull
70T

Endurance
24 days

Accommodation
Fully air conditioned for 18 men

Lifesaving
Comply to SOLAS requirement

Liferaft
2 x 20 Men

Firefighting
Comply to SOLAS requirement

Fuel
207 MT

Fresh Water
57 MT

Freshwater Maker
5 MT/ day

Main Engines & Gearboxes
2 x Wartsila 6L26A diesel
engines producing 2700 bhp
each at 1000 rpm c/w
2 x Reintjes WAF 2345
gearboxes, ratio 4.454:1

Generators
3 x 300kW, 380/3/50, Caterpillar
3408 diesel driven

Main Engine Consumption
16000 litres MGO and 53 litres
lube oil per 24 hours at full
power.
11,000 litres MGO and 26 litres
lube oil per 24 hours at
economic cruising speed of 10
knots

Generator Consumption
450 litres MGO and 10 litres
lube oil per 24 hours

Propulsion
2 x fixed propellers 2900mm
dia, Aluminum Nickel in kort
nozzles

Steering Gear
Electro hydraulic, 7T torque

Fuel Oil Purifiers
Mitsubishi self cleaning fuel oil
purifier SJ-700

Lube Oil Purifiers
Mitsubishi self cleaning lube oil
purifier SJ-10G

Bow Thruster
Brunvoll FU45 T1225, 300kW,
4.5T thrust

Towing Pins & Sharkjaws
KARM FORK combination unit
with 2 towing pins & 2 sharkjaws

Crane
Dreggen crane model DKT40,
45TM - 2.6T at 14m

Anchor Windlass
Hydraulic 7.7T at 0-14m/min
BRATTVAAG

Anchor
2 x 680kg stockless anchors

Anchor Chain
2 x 275m x 28mm diameter
U2 steel stud link chain

Towing/Anchor Winch
BRATTVAAG double drum
waterfall type SL75-2T hydraulic
winch with remote controls in
wheelhouse
75T pull at 0-14.0m/min
43T pull at 0-22m/min
Wire Capacity:-
1000m x 52 mm diameter
Brake holding: 140T

Tugger Winch
2 x BRATTVAAG 11T line pull at
0-23m/min

Wire Storage Reels
2 x 9.2T line pull at 0-26 m/min,
storage reels will contain
1000m x 52mm dia

Stern Roller
Size: L-3.3M, Ø1.62M
S.W.L.:140T

Fendering
Flat bar doubler plates 300mm x
30mm cross section welded to
side shell.

Cutting Equipment
2 bottles oxygen and 1 bottle
acetylene c/w torch

Radar
1 x radar. Model FR1510 MK3
1 x radar. Model FR 2105

SSB
Radio console, FURUNO model
RC-1800-IT-25-250,
24V DC/220V AC with manual
c/over to emergency supply
antenna feeder through insulator,
whip & standoff insulators c/w
DSC & NBDP to meet GMDSS
Requirements. FURUNO SSB
FS-2570-250W

VHF
2 x VHF/FM multi-channel marine
radio telephones. FURUNO FM-
8500-25W

Gyro & Automatic Pilot
1 x Gyro-Tokimec ES-110.
Autopilot-Furuno NAV Pilot-500

Weather Facsimile
1 x FURUNO model FAX-207

Other Navigation Equipment
2 x INMARSAT-C, EPIRB,
Radar Transponder, P.A.
System, Navtex Receiver, GPS
Navigator, Anemometer, Omni
Direction TV Antenna, Echo
Sounder, Battery Powered
Telephone, Inmarsat M,
Speed log, AIS, SSAS

Fire Monitors
2 fixed foam/water fire monitors
of 3000 litres/min each at
120m head capacity.
1 x Fire pump of 360 m³/hour

Dispersant Booms
2 x 8m dispersant booms fitted

Sewage Treatment Plant
Taiko Kikai SBT-25 for 25 men

Details given in good faith and are believed to be correct but not guaranteed