

2008 Built 60m 5444BHP FIFI 1 AHTS

Anchor Handling Tug / Supply Vessel

VESSEL PARTICULAR

GENERAL

Port of Registry : Port Kelang
 Year Built : 2008
 Builder : Muhibbah Marine Engineering Sdn Bhd
 Classification : Bureau Veritas (BV)
 I + HULL + MACHINERY TUG –
 Supply Vessel - Fire Fighting Ship 1 Special
 Service - Anchor Handling / Offshore Support

Vessel Unrestricted navigation
 Dimension LxBxD : 60.0 m x 16.0 m x 5.50 m
 Draft : Light 4.20 m / Loaded: 4.85 m
 GRT / NRT : 1669 / 500
 DWT : 1650 tons

CARGO CAPACITY

Fuel Oil : Approx 522 m³
 Potable Water : Approx 500 m³
 Drill Water : Approx 550 m³
 Base Oil : Approx 159 m³
 Liquid Mud : Approx 177 m³ / 1,113 bbls
 Dry Bulk (4 Nos.) : Approx 170 m³
 Deck Cargo : 600 tons
 Deck Strength : 7.0T m²
 Clear Deck Space : 30 m x 13 m (390 m²)

REFRIGERATED STORAGE

Freezer / Cold Room : 10 m³ approx. (+4°C)
 Chiller / Cooled Room : 12 m³ approx. (-20°C)

ACCOMMODATION (Fully Air-Conditioned)

6 x 1 men/ berth cabins = 6 men
 5 x 2 men/ berth cabins = 10 men
 3 x 4 men/ berth cabins = 12 men Total = 28 men
 1 Hospital,
 Wheelhouse equipped with toilet.



NAVIGATION & COMMUNICATION

Doppler Speed Log : 1 unit
 Radar : 2 x Rescue Radar Transponder (SART)
 Gyro repeater : 1 x unit
 Navtex Receiver : 1 unit
 EPIRB : 1 unit
 Autopilot : 1 unit
 GPS Navigator : 2 units
 Echo Sounder : 1 unit
 Walkie Talkie : 4 units
 AIS / SSAS : 1 unit each
 VHF Transceiver : 4 sets
 2 Konsberg type joy stick remote control system fitted at fwd and aft consoles
 1 set of fleet broadband Model: Sailor 250 fleet broadband; Type: Thrane & Thrane provided onboard.

ANCHOR HANDLING EQUIPMENT

Winch : 1xZICOM double drum waterfall type
 Line Pull : 150 tons
 Brake : 200 tons
 Drum Wire Cap. : 1000 m x 58 mm wire
 Spare reel : 2 x 1200 meters
 Tugger Winch : 2 x 10 tons
 Shark Jaw : 2 x Max. SWL 300 tons
 Guide Pin : 2 x Hydraulic SWL 300 tons
 Capstan : 2 x 6 tons
 Stern Roller : 4.0 m x 1.8 m outer dia. SWL 200 tons

MAIN MACHINERY & PROPULSION

Main Engine : 2 x medium speed CAT 3606 Marine Diesel, MCR of 2722KW @1000 rpm
 Total : 5,444 BHP
 Auxiliary Engine : 2 x 245kw/415V/3P/50Hz
 Emergency : 1 x 86kw/415V/3P/50Hz
 Propulsion : 2 x Berg CPP in fixed nozzles
 Shaft Alternator : 2 x 675kw/415v/3phase/50Hz Leroy Summer
 Bow Thruster : 1 x HRP CPP, 8T thrust

ANCHOR & CRANES

Anchor : 2 x 1590 kg AC14 + 1 x 1590 kg spare
 Chain : 2 x 16 shackles, 40 mm dia stud link K2 chain.
 Deck Crane : 5T at 8m reach

CARGO PUMP CAPACITY

Fuel Oil : Approx 100 m³/hr at 90 m head
 Potable Water : Approx 100 m³/hr at 90 m head
 Drill Water : Approx 100 m³/hr at 90 m head
 Liquid Mud : Approx 75 m³/hr at 90 m head
 Base Oil : Approx 100 m³/hr at 90 m head
 Ballast : Approx 60 m³/hr at 60 m head
 Dry Bulk Compressor : Approx 13 m³/min at 5.6 bar
 Reefer Power Point : 8 x 415V/3P/50Hz

FIRE FIGHTING (FIFI 1) & ANTI-POLLUTION

Pump : 2 x Kvaerner 1500m³/hr at 14 bar
 Monitor : 2 with remote control
 Sprinkler System : FIFI Class 1 requirements
 Oil Dispersant Boom : 2 X Retractable
 Oil Dispersant Tank : 10m³

BOLLARD PULL

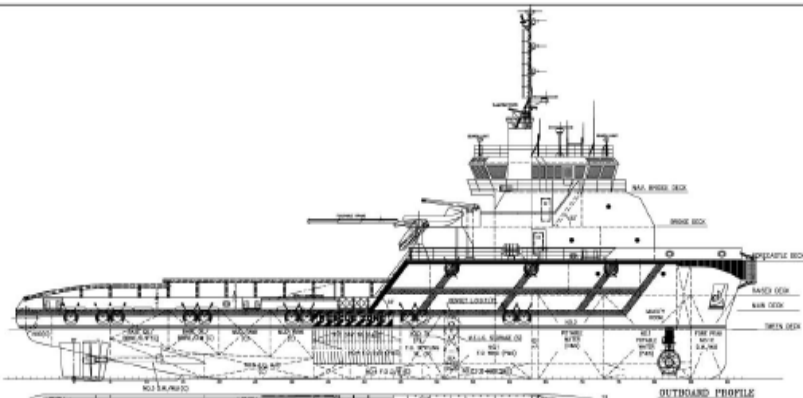
Approx 65 tons

SPEED

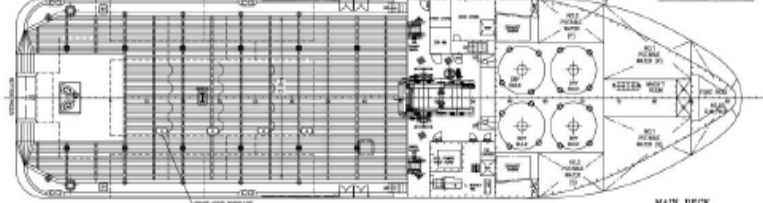
Maximum Speed : 13.0 knots @ 100% MCR
 Economical Speed : 10 knots @ 85% MCR

ENDURANCE

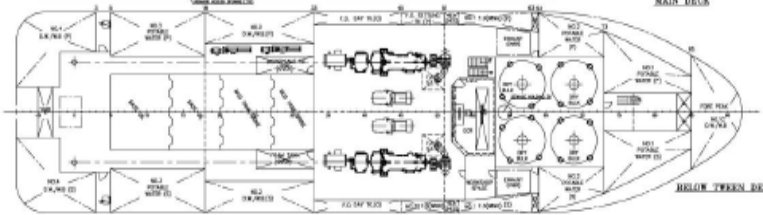
22 days



OUTBOARD PROFILE



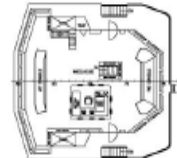
MAIN DECK



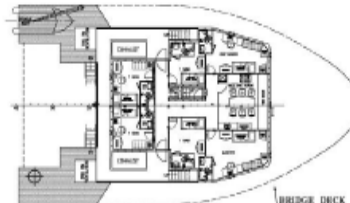
BELOW DECK



BELOW TANK TOP



NAV. BRIDGE DECK



BRIDGE DECK



FORECASTLE DECK



RAFTED DECK

PRINCIPAL PARTICULARS

LENGTH O.A.	50.00m
LENGTH R/L	58.74m
BEAM M.D.	15.00m
DEPTH M.D.	5.50m
DRAFT DESIGNED/MAX.	4.20m/4.85m
DWT	11501/1030t
COMPLEMENT	28 MEN
POTABLE WATER	520m ³ (Approx)
F.O.	520m ³ (Approx)
D.W./S.W.R.	550m ³ (Approx)
LIQUID M.D.	177m ³
BASE OIL/DRINK/D.W.	158m ³
FOAM	10m ³
DISPENSANT	10m ³
DRY BULK	170m ³
DRYTL OIL	13m ³
WHEEL HOLDING	15m ³
DECK SPACE	330m ² (approx)
DECK CARGO	650tonnes (approx)

DATE	MODIFICATION	REV	BY
06m	ANCHOR HANDLING/SUPPLY VESSEL		

General Arrangement

OWNER	CONAN WU & ASSOCIATES
DESIGN	DESIGN
SCALE	1:150

CONAN WU & ASSOCIATES

DESIGN	DESIGN	SCALE	1:150	DESIGNER	REV
DATE	11/2017				

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