

#### Commercial and Operational Office

P.O. Box 930001 Empire Heights Building Suite 13F-A-01 Business Bay Dubai, United Arab Emirates

> Tel: + 971(4) 551 9930 Fax: +971(4) 551 9931

# ASD Anchor Handling Tug AHT 5115

### 7820 BHP | 120 TBP



### SPECIFICATIONS:

# **Azimuth Stern Drive Anchor Handling Tug**

#### **GENERAL**:

Vessel Type: Azimuth Stern Drive Anchor

Handling Tug

Year Built: 2009, Yuexin Ship Building

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

OSV, FiFi-1, AH

Flag: VANUATU

#### DIMENSIONS:

Length Overall: 51.00 m 15.00 m Beam: Depth: 6.50 m Maximum Draft: 7.00 m Minimum Height: 22.7 m Freeboard:  $0.8\,\mathrm{m}$ Displacement: 2,690 mt Deadweight: 1,240 mt Clear Deck Space: 20 x 12 m Clear Deck Area: 230 m<sup>2</sup> Deck Strength:  $5 t/m^2$ GT (ITC): 1370 T NT (ITC): 411 T

#### **CAPACITIES:**

Fuel Oil: 780 m³
Fresh Water: 160 m³
Drill/Ballast Water: 320 m³
Oil Dispersant: 8 m³
Fire Fighting Foam: 8 m³
Deck Cargo: 200 t

#### MACHINERY:

Main Engines: 2 x GE 16V228/7FDM16

**Total HP**: 7,820

Propulsion: 2 x CCP-Z Drive

Kort Nozzles: 2

Bow Thruster Tunnel: Electric Motor (325kW); Total Thrust: 5.6 mt

#### **POWER GENERATION:**

Primary Generators: 3 x CAT C18

Output: 3 x 440 Volts, 60Hz, 420 kw

Emergency Generator: CAT C4.4

Output: 440 Volts, 60Hz, 72 kw

#### **DECK EQUIPMENT:**

Anchors: 2 x 3174 lbs Windlass: Single Drum

Anchor Chain: 270 m of 38.1 mm chain per side

Crane: 1.8 t @ 14m

Capstans: 2 x 5 t Electric-Hydraulic

Tugger: 2 x 10 t MacGregor HUW10DL (15m/min)

#### PERFORMANCE:

Bollard Pull: 120 mt
Max. Speed: 14 Knots
Cruising Speed: 11 Knots
Economical Speed: 8 Knots
Endurance: 9,000 nm @

#### 9,000 nm @ 12 knots

#### FUEL CONSUMPTION:

16.9 m<sup>3</sup>/day (190 gph) @ Max. Speed 13.6 m<sup>3</sup>/day (150 gph) @ Cruis. Speed 8 m<sup>3</sup>/day (88.1 gph) @ Econ. Speed

Transfer rates

Fuel Oil: 99.9 m<sup>3</sup>/h @ 51 m Drill/Ballast Water: 70 m<sup>3</sup>/h @ 50 m



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#### TOWING/ANCHOR HANDLING:

Main Towing Winch:

Model: MacGregor Double Drum Waterfall

Line Pull: 150 mt

Tow Wire: 3,280 m of 2.5 mm Work Wire: 3,280 m of 2.5 mm

Shark Jaw: 2 x 300t SWL

Tow Pins: 2 x 160t SWL

**Stern roller:** 16.27 ft x 6.5 ft; 350 mt SWL

Additional Towing Equipment:

Bow Winch; Brake: 250t Linepull: 75t; 350m of 64mm

#### ACCOMMODATION:

Berth / Cabin: 2 x 1 man

3 x 2 men 3 x 4 men

Certified to carry: 20

Galley seating: 20 Hospital: YES

#### NAVIGATION/ COMMUNICATION:

Radars: 2
Depth Sounder: 1
Gyro Compass: 2
Magnetic Compass: 1

DGPS: 1
Doppler Log: 1

Radio: 2 x VHF; 1 x SSB Inmarsat-C

Navtex:
EPIRB:
GMDSS:
Auto Pilot:

#### SPECIAL EQUIPMENT:

FIFI Class (1)

Oil Dispersant Equipment: 2 x 5m Booms
Recovered Oil Capacity: 125 m<sup>3</sup>
Rescue Zone: YES

Fast Rescue Craft: JYB55KR 6-Man FRC

Rescue Boat: 6-Man SOLAS approved MOB









