

AHTS/ FIFI 1/ 5,150 BHP/ DP 1



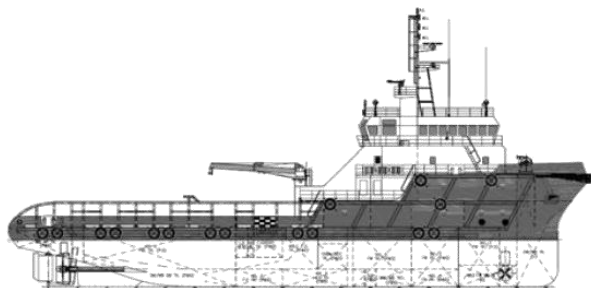
Anchor Handling Tug
& Supply Vessel built:

- 1) For Worldwide Operations to Service and Tow Drilling Units;
- 2) To Provide Logistics Support for Oil & Gas Production Platforms;
- 3) With Special Equipments for Fire-Fighting, Safety Standby Operations, Emergency Evacuations and Seismic Services.

Specifications:

- Length 59.3 m
- Breadth 15.0 m
- Propulsion 5,150 BHP
- Deck Area 340.0 m²
- H₂S Scavenger 186.9 m³
- Bollard Pull 70 T
- AH/Towing Winch 150 T Pull / 200 T Brake
- Accommodation 42 men

General Specifications



CLASSIFICATION

American Bureau of Shipping

✱ A1, Towing Vessel, Fire Fighting Vessel Class 1, Offshore Support Vessel,
②, ✱ AMS, ✱ DPS-1

Builder Jinlong Shipbuilding Co., Ltd, Chongqing
Year Built 2010
Flag Saint Vincent & The Grenadines

MEASUREMENT

Length Overall 59.3 m
Length BP 52.2 m
Breadth Moulded 15.0 m
Depth Moulded 6.1 m
Draft (Designed) 5.0 m

TONNAGE

Deadweight 1,390 t
GRT 1,678 t
NRT 503 t

MANEUVERING & PROPULSION SYSTEM

Main Engine 2 x CAT 3516B, 2,575 BHP each
Total BHP 5,150 BHP
Propeller 2 x CPP, BERG BCP690
Bow Thruster 1 x 390 kW, 6.0 T Thrust
Bollard Pull 70 T @ 100% MCR

DYNAMIC POSITIONING SYSTEM

DP-1 System Kongsberg K-Pos DP11

ELECTRIC POWER GENERATION

Main Generator 3 x CAT C18 rated 350kW/ 415V/ 50Hz/ 3Ph
Emergency Generator 1 x Perkins rated 56kW/ 415V/ 50Hz/ 3Ph

CARGO DECK

Deck Area 340.0 m²
Deck Strength 7.5 T/m²
Deck Cargo Capacity 500 T

STORAGE CAPACITY

Fuel Oil 540.0 m³
Potable Water 360.0 m³
Drill Water / SWB 400.0 m³
Liquid Mud / Base Oil / Brine 400.0 m³ (4 Tanks)
H2S Scavenger 186.9 m³ (4 x 1,650 ft³)
Foam / Detergent 13.0 m³ / 13.0 m³

DISCHARGE CAPACITY

Fuel Oil 1 x 150 m³/hr @ 75 m head
Potable Water 1 x 100 m³/hr @ 75 m head
Drill Water 1 x 100 m³/hr @ 75 m head
Liquid Mud / Base Oil / Brine 2 x 75 m³/hr @ 75 m head
H2S Scavenger 1 x 70 m³/hr

ACCOMMODATION

Berth / Cabin 4 x 1 man
3 x 2 men
8 x 4 men
Total 42 men

DECK EQUIPMENT

Anchor Windlass 1 x 9 T, MEP System
Anchor Chain 2 x 220 m x 38 mm (Ø)
Anchor (Bow) 2 x 1,305 kg High Holding Power Anchors
Tugger Winch 2 x 10 T @ 15 m/min, MEP System
Capstan 2 x 5 T @ 15 m/min, MEP System
Deck Crane 1 x Zhenjiang WME-FC3090, SWL: 3 T @ 9 m

TOWING & ANCHOR HANDLING EQUIPMENT

AH Winch 200 T Brake, 150 T Pull
MEP System Double Drum Hydraulic Driven,
Waterfall Type

Drum Capacity 1,000 m x 56 mm (Ø)

Towing Winch 200 T Brake, 150 T Pull
MEP System Double Drum Hydraulic Driven,
Waterfall Type

Drum Capacity 1,000 m x 56 mm (Ø)

Storage Reel Drum 1,000 m x 56 mm (Ø)

Capacity

Shark Jaw / Karm Fork 1 x Shark Jaw, SWL: 200 T
Tow Pin 2 x Tow Pin, SWL: 200 T
Stern Roller 5.0 m x 1.6 m (Ø), SWL: 200 T

NAVIGATION AND COMMUNICATION EQUIPMENT

GMDSS (Area 3) Furuno RC-1500T 1T
VHF DSC 2 x Furuno FM-8800S
MF/HF SSB 1 x Furuno FS-2571C
MF/HF DSC 1 x Furuno FS-2571C
EPIRB 1 x McMurdo E5
SART 2 x McMurdo S4
Navtex Receiver 1 x Furuno NX-700B
Portable GMDSS VHF 3 x Samyung STV-160
Inmarsat 2 x Furuno Felcom 15
Radar 1 x Furuno FR-1510 MK3
1 x Furuno FR-2117
Gyrocompass 1 x Raytheon Anschutz STD22
Magnetic Compass 2 x Cassens & Plath Reflecta 1
Auto Pilot 1 x Raytheon Anschutz PilotStar D
DGPS 1 x Furuno GP-150
Joystick Kongsberg cJoy Fitted
Echo Sounder 1 x Furuno FE-700
Speed Log 1 x Furuno DS-80
Anemometer 1 x Raymarine ST60+
Weather Fax 1 x Furuno FAX-408
AIS 1 x Furuno FA-150

FIRE FIGHTING & ANTI POLLUTION EQUIPMENT

FIFI Class (1) with 2 x 1,500 m³/hr @ 14 bar
Water Spray
Pump 2 x 1,200 m³/hr / 300 m³/hr @ 12 bar
2 x 6 m Spray Boom
Monitor (water / foam)
Oil Dispersant System

SAFETY EQUIPMENT

Life Raft 6 x 25 persons, SOLAS Approved
1 x 6 persons, Jiangyin Wolong FRP
Rescue Boat Boat, JY45KR, Mercury 25 HP
Zhenjiang WME, WME-SAD14, SWL: 1.35 T

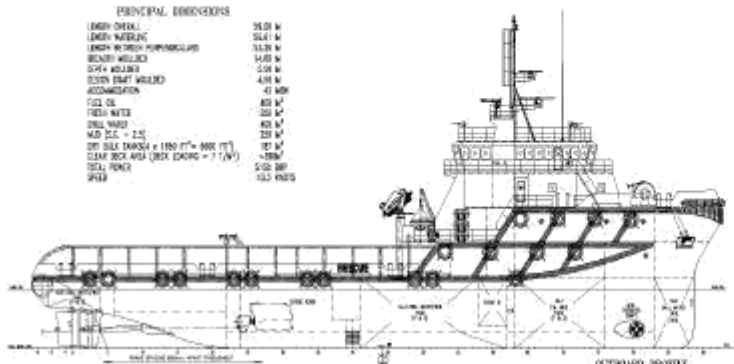
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MISCELLANEOUS

Oily Water Separator 1 x FORWIN, ZYFM(NJ)-1, 1.0 m³/hr 1
Sewage Treatment x 50 persons, Jiangsu WCB-50
Water Maker 1 x 5 T/day, PETER TABOADA, SW-Y
30/52, Reverse Osmosis Type

PRINCIPAL DIMENSIONS

LENGTH OVERALL	36.00 M
LENGTH WATERLINE	32.4 M
LENGTH BETWEEN PERPENDICULARS	31.30 M
BEAM AT WIDEST	5.40 M
DEPTH AT WIDEST	2.50 M
DECK CRAFT WAREHO	4.00 M
ACCOMMODATION	40 BERT
COLD ICE	800 M ³
FRESH WATER	200 M ³
FUEL OIL	400 M ³
WATER TANK	700 M ³
DRY DOCK CAPACITY 1500 T ² = 600 T ²	100 M ²
CLAMP BOX AREA (DECK CAPACITY = 7 T ² /M ²)	100 M ²
TOTAL TONNAGE	500 GRT
SPEED	13.5 KNOTS



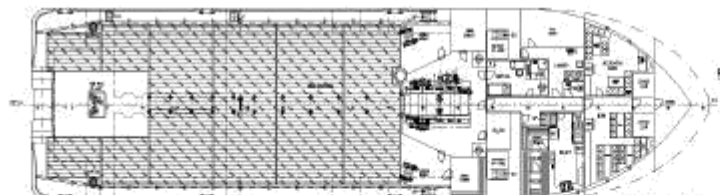
STARBOARD PROFILE



DECK BRIDGE DECK



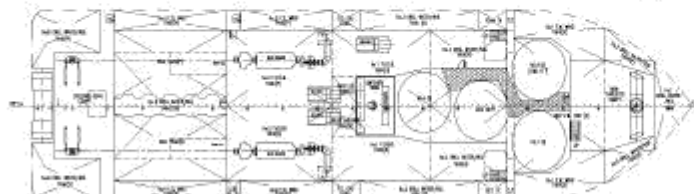
UPPER FORECASTLE DECK



MAIN DECK PLAN



FORECASTLE DECK



BELOW MAIN DECK PLAN

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
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