



PERISAI

Lewek Mallard

AHTS / FIFI 1 / 7,340 BHP / DP 1

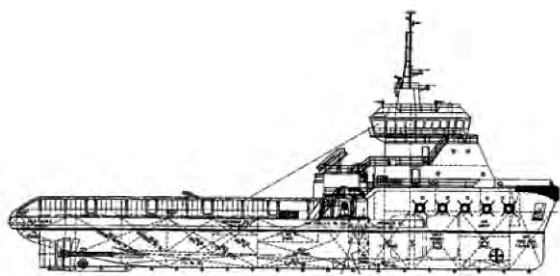


Lewek Mallard is an Anchor Handling Tug & Supply Vessel built:

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

Specifications:

• Length	64.8 m
• Breadth	16.0 m
• Propulsion	7,340 BHP
• Deck Area	450.0 m ²
• Bollard Pull	105 T
• AH / Towing Winch	150 T Pull / 225 T Brake
• Accommodation	26 men



Classification

Lloyd's Register of Shipping

100A1, Fire-Fighting Ship 1 (2,400 m³/hr) with water spray, Offshore Tug / Supply Ship, LMC, DP(AM), Anchor Handling Ship

Builder Pan-United Marine, Singapore
Year Built 2007
Flag Panama

Measurement

Length Overall 64.8 m
Length BP 58.7 m
Breadth Moulded 16.0 m
Depth Moulded 5.8 m
Draft (Max) 4.9 m

Tonnage

Deadweight 1,935 T
GRT 1,880 T
NRT 588 T

Maneuvering & Propulsion System

Main Engine 2 x Bergen 9C25:33L9P, 3,670 BHP each
Total BHP 7,340 BHP
Propeller 2 x CPP, Kamewa 79XF5 / 4E
Bow Thruster 1 x 535 kW, 8.2 T Thrust
Stern Thruster 1 x 500 kW, 7.3 T Thrust
Bollard Pull 105 T @ 100% MCR

Dynamic Positioning System

DP-1 System Kongsberg cPos DP-1 System

Electrical Power Generation

Main Generator 2 x CAT 3406 rated 320kW / 440V / 60Hz / 3Ph
Alternator 2 x AvK DSG74M rated 800kW / 440V / 60Hz / 3Ph
Emergency Generator 1 x CAT 3056T rated 72kW / 440V / 60Hz / 3Ph

Cargo Deck

Deck Area 450 m²
Deck Strength 5.5 T/m²
Deck Cargo Capacity 600 T

Storage Capacity

Fuel Oil 606.9 m³
Potable Water 1,081.9 m³
Drill Water / SWB 180.8 m³
Liquid Mud / Base Oil / Brine 423.3 m³ (3 Tanks)
Dry Bulk 178.9 m³ (4 x 1,580 ft³)
Foam / Detergent 12.6 m³ / 12.6 m³

Discharge Capacity

Fuel Oil 1 x 100 m³/hr @ 60 m head
Potable Water 1 x 100 m³/hr @ 60 m head
Drill Water 1 x 100 m³/hr @ 60 m head
Liquid Mud / Base Oil / Brine 2 x 75 m³/hr @ 90 m head
Dry Bulk 2 x 20 m³/min @ 80 psi

Accommodation

Berth / Cabin 4 x 1 man
 5 x 2 men
 3 x 4 men
Total 26 men

Deck Equipment

Anchor Windlass 1 x 11 T, Brattvaag
Anchor Chain 2 x 385 m x 40 mm (Ø)
Anchor (Bow) 2 x 2,100 kg Stockless Bower Anchors
Tugger Winch 2 x 10 T @ 14 m/min, Brattvaag
Capstan 2 x 5 T @ 21 m/min, Brattvaag
Deck Crane 1 x HS Marine AK 10LNE1, SWL: 2.6 T @ 3 m, 1.0 T @ 7.2 2 m

Towing & Anchor Handling Equipment

AH Winch 225 T Brake, 150 T Pull
 Brattvaag Double Drum Hydraulic Driven, Waterfall Type
 Drum Capacity 1,200 m x 58 mm (Ø)
Towing Winch 225 T Brake, 150 T Pull
 Brattvaag Double Drum Hydraulic Driven, Waterfall Type
 Drum Capacity 1,200 m x 58 mm (Ø)
Storage Reel Drum Capacity 1,200 m x 58 mm (Ø)
Karm Fork 1 x Karm Fork, SWL: 300 T
Tow Pin 2 x Tow Pin, SWL: 300 T
Stern Roller 3.0 m x 1.5 m (Ø), SWL: 300 T

Navigation and Communication Equipment

GMDSS (Area 3) Furuno RC-1800T
VHF DSC 2 x Furuno FM 8800S
MF/HF SSB 1 x Furuno FS-2570
MF/HF DSC 1 x Furuno FS-1570
EPIRB 1 x McMurdo E3
SART 2 x McMurdo S4
Navtex Receiver 1 x Furuno NX-700A
Portable GMDSS VHF 3 x McMurdo R2
Inmarsat 1 x Furuno Felcom 15 SSAS
Radar (X-Band) 1 x Furuno FR-2115
 1 x Furuno FR-1505 MK3
Gyrocompass 1 x Raytheon Anschutz Std 22
Magnetic Compass 1 x Cassens & Plath Reflecta 1
Auto Pilot 2 x Raytheon Anschutz PilotStar D
GPS 2 x Furuno GP-90
Joystick Kongsberg cJoy Fitted
Echo Sounder 1 x Furuno FE-700
Speed Log 1 x Furuno DS-80
Anemometer 2 x RM Young 05103
AIS 1 x Furuno FA-100

Fire-Fighting & Anti Pollution Equipment

FIFI Class (1) with Water Spray
Pump 2 x 1,500 m³/hr @ 140 m head
Monitor (water / foam) 2 x 1,200 m³/hr / 300 m³/hr @ 12 / 11 bar
Oil Dispersant System 2 x 5 m Spray Boom

Safety Equipment

Life Raft 6 x 16 persons, Viking
Rescue Boat 1 x 9 persons, Maritime Partner Weedo 17 FRC, Yamaha 30HP
Davit NDM PRHE 35, SWL: 3.5 T

Miscellaneous

Oily Water Separator 1 x RWO SKIT/S-DEB, 1.0 m³/hr
Sewage Treatment 1 x 26 persons, Hamworthy Super Trident ST2A

* This vessel specification is given in good faith and assumed to be accurate at the time of print.

** Owners will not be liable for errors, omissions or misprints published. Owners reserve the right to amend this specification without notification.