MOU Island Frontier

RLWI - DP 3



Rev.date 15.03.19

ERN: 99.99.99
IMO nr: 9249520
DNV id no: 23282
MMSI: 258866000
Call Sign: JWNU
Flag: Norwegian
Port of registry: Aalesund

Type: Riserless light well intervention vessel
Design: UT 737 L
Yard: Søviknes Yard
Yard built no: 137
Delivery: 2004
Class: DNV +1A1, Ship-Shaped Well Intervention Unit-I, Eo, DK(+), HL (2,6), DYnPos AutR, HELD-SH, LFL*

PRINCIPAL DIMENSIONS

LOA:	106.20 m
Lpp. :	94.15 m
B mld.:	21.00 m
D main dk.:	8.20 m
Summer draft:	6.20 m
Deadweight:	4706 t
Gross tonnage:	6834 GRT

MAIN DUTIES

Light well intervention services and associated work:

- Construction work
- Subsea installation work
- Securing of wells
- Tower and module handling
- Trenching
- Crane work
- Survey work
- IMR work
- Supply duties
- P&A
- X-TRE installation

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Technical specification

CARGO TANK CAPACITIES	
Water Ballast:	3.705 m3
Fresh water:	1.241 m3
Fuel oil:	1.980 m3
Drill Water:	3.705 m3
Mud:	798 m3
Brine:	199 m3
Metanol:	114 m3
Glycol:	315 m3
Slop:	224 m3
Note: All tanks can not be filled simultaneously	

CARGO PUMPS	
1 x Fuel oil pump	250m3/h- 9 bar
1 x Fuel oil pump	150m3/h- 9 bar
1 x Fresh water pump	250m3/h- 9 bar
1 x Ballast / Drill water pump	250m3/h- 9 bar
1 x Ballast / Drill water pump	250m3/h- 3,5 bar
2 x Mud pumps	75m3/h- 24 bar (each)
1 x Brine pump	100m3/h- 24 bar
1 x Glycol pump	100m3/h- 24 bar
1 x Slop pump	75m3/h- 18 bar
1 x Slop pump	60m3/h- 3,5 bar
2 x Methanol pumps	50m3/h- 9 bar (each)

CARGO DECK	
Cargo deck area:	942 m2
Deck load:	10t/m2
Specified deck cargo:	3400t w/G= 1.0m ab. M.dk

GENERATOR SETS	
Engines:	
4 x Bergen C25:	33L9A 2610kW each
2 x Cummins KTH 50 D	1291 kW each

PROPELLER PLANT
2 x RRm Ulstein Aquamaster AXP 120 CP 2500kW each

BOW THRUSTERS	
2 x RRM Kamewa Ulstein 250	TV-SS 883 kW each
1 x RRM Ulstein Aquamaster	TCNS 73/50 - 180 883 kW

AFT THRUSTER	
1 x RRM Ulstein Aquamaster	TCNS 73/50 - 180 883 kW

DYNAMIC POSITION SYSTEM	
Type:	Marine Tchnologies
Class	Definition: DYNPOS AUTR.
ERN (99.99.99)	

DECK CRANES	
1 x Hydramarine HMC 1610 LK	SWL 12 t - 15 m
1 x Hydramarine HMC 1077 LT	SWL 2 t - 12 m
1 x National Oilwell	SWL 130 t - 30 m (Wire length 800 m)
1 x HS Marine AK 40 LE4	SWL 1,39 t - 41,7 m

HELICOPTER DECK
Helicopter deck forward - capable of landing Superpuma
Diameter 22,5 m
Approved by NMD and BHAB

MOON POOL	
Moon pool size:	7150 x 7000 mm
Hatch max load:	5t / m2

TOPSIDE EQUIPMENT	
National Oilwell Hydralift Versatile Tower system fitted above main moon pool, used for the following operations:	
-Handling of subsea lubricator -Handling of subsea modules -Operation of trenchers -Operation of ROV	
Lifting capacity:	70 tonnes
Water dept capacity main crane:	2500 m
Main crane capacity through tower:	50 tonnes
Following equipment built in: -1 x Main winch -4 x Guidewire winches -1 x Cursor winch	 70 t (active heave comp.) 5 t 10 t
Skidding system on main deck	
Hydro carbon cold flare vent system, with mud gas separator (HC-vent system)	

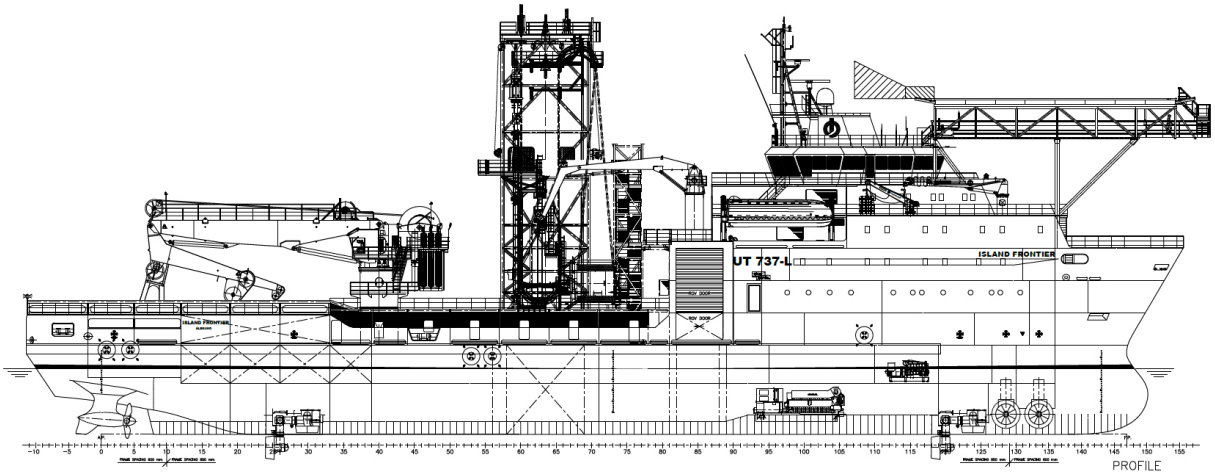
ROV
ROV hangar aft of the accomodation area
1 x Oceaneering 100 hp Magnum 90 Work-class ROV with A-frame LARS-system fitted on starboard side
1 x Oceaneering SeaOwl Eyeball type ROV with LARS-system is fitted on port side

SAFETY EQUIPMENT
The life-saving appliances provide for a total number of 72 persons - installed in accordance to the Mobile Unit Equipment Sertificate and SOLAS

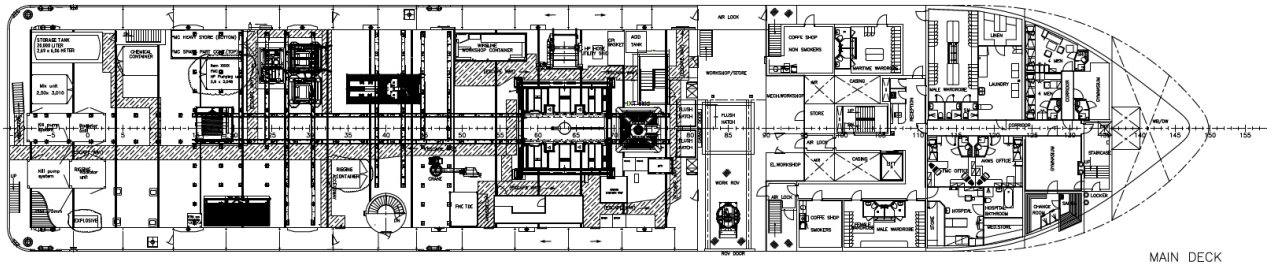
ACCOMMODATION FACILITIES
The accommodation facilities provide for a total number of 72 persons.

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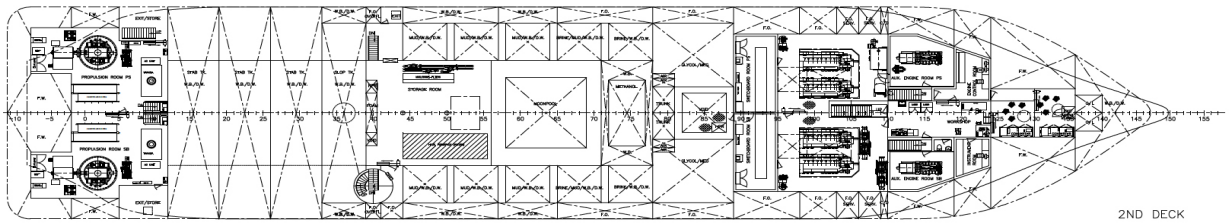
Profile



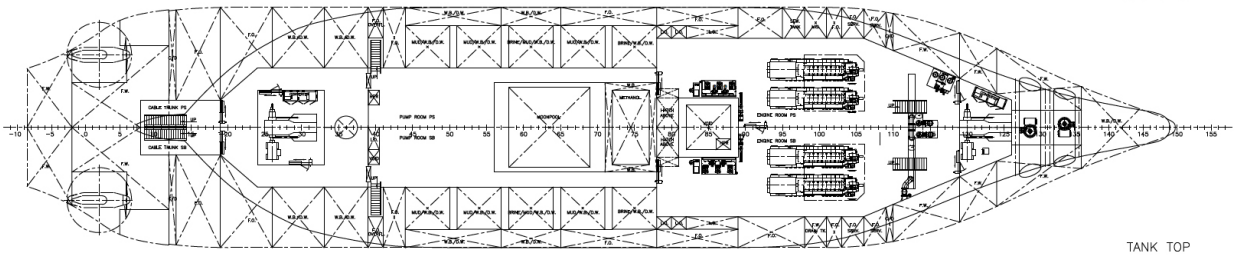
Main Deck



2nd Deck



Tank Top



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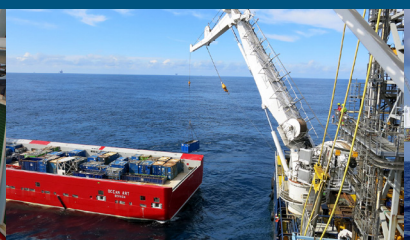
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All figures and data believed to be correct, but not guaranteed.