

TECHNICAL SPECIFICATION

Bourbon Hidra

Platform Supply Vessel

UT - 745



Revision: 29.03.2007

IMO no: 9188128

DNV id no: 20943

MMSI: 376861000

Call Sign: J8B3621

MAIN DESCRIPTION

Type:	UT - 745
Classification:	DnV + 1A1, Fire Fighter I, OILREC SF LFL* E0, DYNPOS-AUTR CLEAN DK(+), HL(2.8)
Yard:	Simek AS
Yard built no:	87
Place built:	Flekkefjord
Country built:	VCT
Delivered:	1999
Flag:	NOR
Port of registry:	Kingstown
Owner:	Bourbon Ships AS

MEASUREMENT

Lenght oa:	84.00 m
Lenght bpp:	76.20 m
Breath moulded:	18.80 m
Depth moulded:	7.60 m
Draught max:	6.30 m
Gross tonnage GT:	3102 t
Corresponding DWT:	4640 t
Net tonnage NT:	1396 t
ISM-Responsible:	Bourbon Offshore Greenmar

CARGO CAPACITY

Deck cargo:	2700 tons
Deck area:	960 m ² , approx. 58,2m x 16,2m
Deck strength:	5,0 t/m ² - 10,0 t/m ² - aft off frame 26
Fuel (gasoil):	1020 m ³
Liquid Mud:	712 m ³
Brine:	484 m ³
Drillwater/Ballast:	890 m ³
Base Oil:	238 m ³
Dry Bulk:	400 m ³
Fresh Water:	1042 m ³
Methanol:	356 m ³
Special products / LFL*:	167m ³ , combined with methanol
Slop:	7.5 m ³
Oil Recovery:	614 m ³ , water ballast tanks

DISCHARGE RATES

Loading/Discharge station:	2 each side 5" lines Weco/Reducer
Fuel discharge rate:	250 m ³ / hrs vs. 90 m
Mud discharge rate:	150 m ³ / hrs vs. 90 m - 25 bar
Brine discharge rate:	150 m ³ / hrs vs. 90 m - 25 bar
Drillwater discharge rate:	250 m ³ / hrs vs. 90 m
Dry Bulk discharge rate:	100 m ³ / hrs --- 5,6 bar
Base Oil discharge rate:	150 m ³ / hrs vs. 90 m
Fresh Water discharge rate:	250 m ³ / hrs vs. 90 m
Methanol discharge rate:	4 x 75 m ³ / hrs vs. 90 m
Special products disch rate:	2 x 50 m ³ / hrs vs. 90 m, of methanol capacity
Slop discharge rate:	75 m ³ / hrs vs. 90 m

MACHINERY / PROPULSION

Main Engine set 1:	1 x Ulstein Bergen BRM-8 2x3530 kW	Bow Thruster 1:	Ulstein Propeller 375 TV 883 kW
Main Engine set 2:	1 x Ulstein Bergen BRM-8 2x3530 kW	Compass Thruster Forward:	Ulstein Propeller TCNS 73/50 - 180 883 kW
Main Generators set 1:	Leroy Somer LSA 53S 65, 2400 kVA	Stern Thruster 1:	Ulstein Propeller 150 TV 663 kW
Main Generators set 2:	Leroy Somer LSA 53S 65, 2400 kVA	Stern Thruster 2:	Ulstein Propeller 150 TV 663 kW
Auxiliary Engine set 1:	Volvo Penta TAMD 163 A, 430 kW/440V/60Hz	Propulsion Aft:	2 x Ulstein Propeller 1500 AGSC-KP2S-850/4
Auxiliary Engine set 2:	Volvo Penta TAMD 163 A, 430 kW/440V/60Hz	Rudders:	2 x Ulstein High-lift
Emergency Generator:	Valmet Diesel Engine 420 DSG, 80 kW		
Shore Connection:	440V 200A		
Total BHP:	9600 BHP		
Total Kw:	7159 kW		

PERFORMANCE / CONSUMPTION

Service Speed/Consumption:	13,50 knots, 15 m ³
Port Consumption:	1 m ³

ACCOMODATION

Cabins/Beds:	8 x 1M, 5 x 2M, 1 x 4M, 1 x 2M + 2M, 1 x 2M + 2M + 2M
Crew/Passenger	32
Mess/Dayroom:	58 m ²
Cool store/Freezer:	9,5 m ²
Dry Provision:	N/A
Client office:	12 m ² in accomodation

DECK EQUIPMENT

Tugger winch:	2 x Brattvaag AKM4110 10T	ROV Arrangement:	Removable cargo rail port side, Power supply for ROV.
Crane 1:	ABAS KDE - 40/59		
Capacity 1:	5T / 1.6 - 10m, 50 m/min	Towing equipment:	
Crane 2:	1 x TTS Marine deck crane	Smith Brackets:	2 x 150 tons SWL
Capacity 2:	12 tons at 12 m	Stern Roller:	2 x 10 tons / 1000mm x ø 800mm
Crane 3:	See Emerald	Hose flushing:	2 x stern roller w / A-frame, 16" manifold.
Capacity 3:	See Emerald		
Anchors conventional:	2 x Stockless Bower anchors 2850 Kg		
Chain cables conventional:	495 m		
Windlass:	Brattvaag BFMG 63.042, drum 15T, warping end 12T		
Capstans:	2 x Brattvaag CM4110 10T/19m/min		

RESCUE EQUIPMENT

Rescue class:	Fire Fighter I w/hose flushing capability	Radar transponders:	2 x Tron SART, 9 GHz
Hospital:	Yes, 1 bed	Emergency Beacon:	1 x Tron 40S
Reception:	Yes	GMDSS VHF's:	3 x Tron VHF
Fire Fighting equipment:	Co ²	Survival Suits:	27 x Rescue - Dan
Rescue Regulation:	NMD	Life Jackets:	27
MOB Boats:	1 x VIKING 470 GRP1, 6 persons	Life rafts:	2 x Viking 20 DK, 2 x Viking 25 DK
Daughter Craft:	See Emerald	Oil pollution Service:	Oil dispersant system
Survivors:	Temporary ability to accommodate 100 persons		

NAVIGATION AND COMMUNICATION EQUIPMENT

Radar 3 cm:	1 x Furuno FR-2115 X-band	GMDSS Sea Area:	A3
Radar 10 cm:	1 x Furuno FAR-2835 S-band ARPA	MF/HF Radio:	1 x Furuno SSB FS-1562-15, DSC terminal DSC
Radar slave:	1 x monitor akter	DSC Receiver:	1 x Furuno MF/HF DSC AA-50
Gyro:	1 x Anschutz ST 22, 2 x S G Brown meridian	VHF 1:	1 x Furuno FM 8700 Duplex VHF w/DSC
Autopilot:	1 x Anschutz Pilotstar D	VHF 2:	1 x Furuno FM 8700 Duplex VHF w/DSC
Chart Plotter:	1 x Furuno Telchart 2023	VHF 3:	1 x Furuno FM 2520 Simplex VHF
Navtex:	1 x Furuno NX-500	UHF:	1 x Motorola GM 360
Joystick:	1 x Ulstein Poscon	Portable VHF:	2 x Motorola GP 300
AIS:	1 x Furuno FA-100 interfaced to electronic charts	Portable UHF:	2 x Motorola GP 300
SSAS:	1 x Thrane&Thrane TT3000SSAS	Mobile Telephone 1:	2 x Mobile telephone NMT/GSM/FAX
Echo Sounder:	1 x Furuno FE 680	Mobile Telephone 2:	N/A
Speed log:	1 x Furuno DS 70	Mobile Telephone 3:	N/A
Satellite Navigator (GPS):	1 x Furuno GP-80, 1 x Furuno LC-90 Mark-II	Sat B:	1 x Furuno Felcom 81-B
DP:	2 x Alstom ADP 22	Sat C 1:	1 x Furuno Felcom 12
DP Reference 1:	1 x DGPS multifix 4 / Inmarsat, 1 x DPS 132 HP	Sat C 2:	1 x Furuno Felcom 12
DP Reference 2:	1 x CyScan Laser	Fleet 77:	N/A
DP Reference 3:	Spotbeam / IALA	Intercom System:	1 x Intercom w/radio / loudhailer
DP Reference 4:			
Wind Sensors:	2 x Gill WindObserver II Anemometer		