

TECHNICAL SPECIFICATION

Bourbon Peridot

Supply / ROV

P 105 Extended



Revision: 29.06.2006

IMO no: 9339428

DNV id no: 26162

MMSI: 257245000

Call Sign: LNHA

MAIN DESCRIPTION

Type:	P 105 Extended
Classification:	DnV + 1A1, Supply Vessel, Fire Fighter I, SF, E0, DYN POS AUTR, LFL*, CLEAN, COMF-V (3), DK(+), HL(2.5), OILREC, NAUT-OSV (LOC)
Yard:	Ulstein Verft AS
Yard built no:	270
Place built:	Ulsteinvik
Country built:	Norway
Delivered:	2005
Flag:	NOR
Port of registry:	Fosnavåg
Owner:	Bourbon Ships AS

MEASUREMENT

Lenght oa:	91,10 m
Lenght bpp:	80,30 m
Breath moulded:	19,00 m
Depth moulded:	8,00 m
Draught max:	6,50 m, freeboard approx. 1,5m
Gross tonnage GT:	4375 GRT
Corresponding DWT:	5000 DWT @max draft
Net tonnage NT:	1423 NT

ISM-Responsible: Bourbon Offshore Norway AS

CARGO CAPACITY

Deck cargo:	1900 T, VCG 1m ab. Main deck
Deck area:	731 m ² , (16,25m x 45,00m) - offshore crane
Deck strength:	10,0 t/m ² , axel load 23t
Fuel (gasoil):	882 m ³
Liquid Mud:	1065 m ³ , 210 m ³ combined with brine.
Brine:	213 m ³ , 210 m ³ combined with mud.
Drillwater/Ballast:	867 m ³
Base Oil:	386 m ³
Dry Bulk:	384 m ³ , 8 x 48m ³ vertical tanks
Fresh Water:	986 m ³
Special products:	211 m ³
Methanol/Xylene:	167 m ³
Oil Recovery:	1050 m ³
Slop:	60 m ³

DISCHARGE RATES

Loading/Discharge station:	2 each side. 4"/5" Weco/TODO connection
Fuel discharge rate:	2 pumps a' 250m ³ /h and 9 bar, frequency controlled
Mud discharge rate:	4 pumps a' 100m ³ /h and 24 bar, frequency controlled
Brine discharge rate:	2 pumps a' 100m ³ /h and 24 bar, frequency controlled
Drillwater discharge rate:	2 pumps a' 250m ³ /h and 9 bar, frequency controlled
Dry Bulk discharge rate:	2 BHS compressors a' 30 m ³ /min each at 6 bar
Base Oil discharge rate:	1 pumps a' 150m ³ /h and 9 bar, frequency controlled
Fresh Water discharge rate:	2 pumps a' 250m ³ /h and 9 bar, frequency controlled
Special products disch rate:	2 pumps a' 100m ³ /h and 9 bar, hydraulic motor
Methanol/Exylene disch rate:	2 pumps a' 100m ³ /h and 9 bar, hydraulic motor
Slop discharge rate:	2 pumps a' 17m ³ /h and 3 bar

MACHINERY / PROPULSION

Main Engine set 1:	2 x Caterpillar 3516B 1901 kW - 1800RPM	Bow Thruster 2:	1 x Kamewa Ulstein TT 2200 DNP-CP, 241 rpm 883 kW
Main Engine set 2:	2 x Caterpillar 3516B 1901 kW - 1800RPM	Compass Thruster Forward:	1 x Ulstein Aquamaster TCNS 73/50-180, 883kW
Propulsion Aft:	2 x Rolls & Royce Azipull Thrusters, AZP 120, 2500 kW	Main Generators set 1:	2 x AVK, DSG 86 M1-4w
Total BHP:	10341 BHP	Main Generators set 2:	2 x AVK, DSG 86 M1-4w
Total Kw:	7604 kW	Emergency Generator:	1 x Caterpillar 3406TA, 277BkW/1800RPM, 250EkW/440V/60Hz
Bow Thruster 1:	1 x Kamewa Ulstein TT 2200 DNP-CP, 241 rpm 883 kW	Shore Connection:	50m 3x440V, 350A
Garbage handling facility:	Incinerator plant	FW production facility:	FW Generator, 15T/24h

PERFORMANCE / CONSUMPTION

Max Speed/Consumption:	Approx. 15 knots
Service Speed/Consumption:	Approx. 13 knots
Economical Speed/Consumption:	Approx. 12 knots
Standby Mode:	N/A
Port Consumption:	Approx. 1,0 m³

ACCOMODATION

Cabins/Beds:	14 x 1M, 4 x 2M, 1 x 4M, 1 x 6M, 3 x 4M with 2 separat sleeping quarters, 1 x 6M with 3 separat sleeping quarters.
Accommodation Module:	8 x 2M, 2 x 4M with 2 separat sleeping quarters.
Crew/Passengers:	Accommodations for 50 + 24 persons
Mess/Dayroom:	1 x messroom, 2 x dayroom, 1 x deck pantry
Cool store/Freezer:	4,5 m² / 4,5 m²
Dry Provision:	12 m²

DECK EQUIPMENT / MULTIPURPOSE ARRANGEMENTS

Tugger winch:	1 x 15T, 1 x 20T	ROV Arrangement:	
Crane 1:	1 x TTS Marine AS, GPK 80-3-10	Prepared for 10T fastwinch on port side forward, with 5,6m of removable corgorail between #57-#65.	
Capacity:	3t - 10m		
Crane 2:	1 x TTS Marine AS, GPK 260-10-10	Removable corgorails aft, 17m port side #1-#15 down 1400mm above deck and 17m stbd side with 11m flush to deck.	
Capacity:	10t / 10m		
Crane 3:	1 x Hydralift Offshore crane	Strengthen deck structure for 250T optional deck winch.	
Capacity:	90 tons single fall, 110 tons double fall. 2 x tugger on crane swivel. Heave compensated.		
Anchors conventional:	Spek anchors 2 x 3540kg	Heeling system:	2 x 400 m³
Chain cables conventional:	522m (total length), stud link ø46mm NV K3		
Windlass:	1 x Rauma Brattvåg		
Capstans:	2 x 10T w/wiredrum		

RESCUE EQUIPMENT

Rescue class:	Fire Fighter I	Radar transponders:	2 x Jotron Tron Sart
Hospital:	12,0 m² incl. Toilet	Emergency Beacon:	1 x Jotron 40S,FB-4
Fire Fighting equipment:	Co²/Water mist in eng. rooms	GMDSS VHF's:	3 x Jotron Tron TR 20 VHF
MOB Boats:	1 x Mare Safety GRP 700	Survival Suits:	79 x survival suits, 4 x working suits
Heave compensated davits:	1 x Servi Technics HRT 3200	Life Jackets:	79 x SeaMaster adult
Rescue Regulation:	NMD	Life rafts:	8 x Viking 25DK

NAVIGATION AND COMMUNICATION EQUIPMENT

Radar 3 cm:	1 x Furuno FAR-2827 X-band, Arpa/AIS/Interswitch	GMDSS Sea Area:	A3
Radar 10 cm:	1 x Furuno FCR-2837S S-band, Arpa/AIS/Interswitch	MF/HF Radio:	1 x Skanti TRP 1250
Radar slave:	1 x 17" monitor aft. w/control	DSC Receiver:	Interfaced in TRP 1250
Gyro:	3 x Anschutz std 22 gyrocompass	VHF 1:	1 x SAILOR VHF RT 5022 DSC
Compass:	1 x Plath Reflecta	VHF 2:	1 x SAILOR VHF RT 5022 DSC
Autopilot:	1 x Anschutz Pilotstar D	VHF 3:	1 x SAILOR VHF RT 2048
Chart Plotter:	2 x Furuno TECDIS / CONNING	VHF 4:	1 x SAILOR VHF RT 2048
Navtex:	1 x SRH NAV-5 Plus	UHF:	3 x Motorola GM-380
Joystick:	4 x Poscon II	Portable VHF:	N/A
AIS:	1 x Furuno FA-150 interfaced to electronic charts	Portable UHF:	3 x Motorola GP 900
VDR:	1 x Furuno voyage data recorder VR-5010	Mobile Telephone 1:	1 x GSM, interfaced to PABX
SSAS:	1 x Thrane&Thrane TT3000SSAS	Mobile Telephone 2:	1 x GSM, interfaced to PABX
Echo Sounder:	1 x Furuno FE-700	Mobile Telephone 3:	1 x GSM, interfaced to Raydex
Speed log:	1 x Furuno DS-80 doppler log	Sat C 1:	1 x Thrane & Thrane TT-3020C
Satellite Navigator (GPS):	1 x Furuno GP-90, 12 channel	Sat C 2:	1 x Thrane & Thrane TT-3020C
DP:	1 x Dynpos AUTR,Kongsberg SDP21	Fleet 77:	1 x Thrane & Thrane TT-3038C
DP Reference 1:	1 x DPS 700 (consists of DPS132/DPS200)	Vsat Data/Phone link:	256kb up/down-stream, 4 x voice
DP Reference 2:	1 x Hipap 450	Intercom System:	UlsteinCom Data/Phone/TV
DP Reference 3:	1 x Fanbeam Mk4		
DP Reference 4:	1 x MRU 2 / 1 x MRU 5		
Wind Sensors:	2 x Gill WindObserver II Anemometer		