

TECHNICAL SPECIFICATION

Bourbon Opale

Oil Production and Storage Unit

UT745E, converted to FPSO



Revision: 15.02.2006
IMO no: 9297785
DNV id no: 24668
MMSI: 345070108
Call Sign: XCDG4

MAIN DESCRIPTION

Type: UT745E, converted to FPSO
Classification: DnV + 1A1, Ship shaped Oil production and Storage Unit, "PROD", E0, DK+, AUTR, Clean, COMF-V(3)
Yard: Aker Langsten A/S
Yard built no: 194
Place built: Tomrefjord
Country built: Norway
Delivered: 01.06.2004
Flag: Mexican
Port of registry: Ciudad Del Carmen
Owner: Bourbon Ships AS

MEASUREMENT

Lenght oa: 90.70 m
Lenght bpp: 78.80 m
Breath moulded: 18.80 m
Depth moulded: 7.60 m
Gross tonnage GT: 3829 t
Corresponding DWT: 3659 t
Net tonnage NT: 1149 t
ISM-Responsible: Bourbon Offshore Norway AS

CARGO CAPACITY

Fuel (gasoil): 740 m³ / 666 t / dens 0.900
Drillwater/Ballast: 1557 m³ / 1596 t / dens 1.025
Fresh Water: 338 m³ / 338 t / dens 1.000
Slop: 646 m³ / 646 t / dens 1.000
Crude Oil: 1598 m³ / 1598 t / dens 1.000
Chemical Tank: 80 m³

DISCHARGE RATES

Loading/Discharge Reels: 2 Off
Import Crude Oil 10000 psi: 90 m³/h at 700 bar
Reinjection oily water 5000 psi: 2 x 45 m³/h at 210 bar
Export Crude Oil 5000 psi: 2 x 80 m³/h at 45 bar

MACHINERY / PROPULSION

Main Engine set 1: 2 x RRMB C25: 33L6A, 1740 kW - 900 RPM
Main Engine set 2: 2 x RRMB C25: 33L6A, 1740 kW - 900 RPM
Propulsion Aft: 2 x RRM AZP 120/86-320/US305CP 2500kW 171rpm
Total BHP: 9333 BHP
Total Kw: 6960 kW
Bow Thruster 1: R&R, TT 2200 DNP-SS-CP, 241 rpm 883 kW
Compass Thruster Forward: R&R, TCNS 73/50-180, 304 rpm 883 kW
Main Generators set 1: 2 x ABB AM6 630 S08, 2070 kVA
Main Generators set 2: 2 x ABB AM6 630 S08, 2070 kVA
Emergency Generator: CAT 3408 TA Capacity: 390,5 kW
Shore Connection: 3 x 440V / 200A

PERFORMANCE / CONSUMPTION

Max Speed/Consumption:	16,75 knots 28 m ³
Service Speed/Consumption:	13,50 knots 15 m ³
Economical Speed/Consumption:	15,0 knots 19 m ³
Standby Mode:	3 m ³
Port Consumption:	1,0 m ³

ACCOMODATION

Cabins/Beds:	14 single and 18 double
Crew/Passengers:	12 crew / 38 passanger
Mess/Dayroom:	One messroom and two day room
Cool store/Freezer:	8,4m ² / 9,4m ²
Dry Provision:	11,7m ²

DECK / OIL PRODUCTION EQUIPMENT

Crane 1:	1 x TTS MARINE GPK 80-3-12	Process Plant:	EXPRO Cap. 10 000 bbl./day
Capacity 1:	3 t - 12m	Reinjection pumps:	Wood Group 2 x 45m ³ (each) 210 Bar
Crane 2:	1 x ABAS KDE 240/3 7t-30m.	Export pumps:	Wood Group 2 x 80m ³ (each) 45 Bar
Capacity 2:	15t- 10m	Compressors etc:	2 x Atlas Copco GA 95-150W CAP. 506cfm/10.4Bar
Anchors conventional:	Stockless Bower Anchors, 2 x 3300 Kg	N2 Plant:	Atlas Copco CAP. 128 m ³ /h
Chain cables conventional:	Stud link chain cable 522,5m	Termal oil heater:	Cap. 3200kW max temp./press. 280°C/10Bar
Windlass:	1 x Anchor windlass type RRM BRATTVÅG BFMG63.044	Deluge pumps:	2 x 610m ³ /h (Each) 12 Bar
Capstans:	2 x Capstan type RRM Brattvåg CM4110		

RESCUE EQUIPMENT

Reception:	23 m ² at M deck	Radar transponders:	2 x JOTRON TRON SART
Hospital:	17,0 m ² incl. Toilet	Emergency Beacon:	1 x JOTRON TRON 40S EPIRB
Fire Fighting equipment:	Flexifog, CO ² and misc.	GMDSS VHF's:	3 x JOTRON TRON VHF, portable VHF's
MOB Boats:	1 x MOB boat type 6,15 Merlin Norsafe AS	Survival Suits:	8
Heave compensated davits:	1 x Davit for MOB boat NDA-25, NORSAFE AS	Working Suits:	58
Rescue Regulation:	NMD	Life Jackets:	3
		Life rafts:	59 (54+5)

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	MF/HF Radio:	1 x Furuno FS-2570 MF/HF/DSC
Radar slave:	1 x Furuno FR-1510 Mk3 in overh. Consol aft.	DSC Receiver:	1 x included in MF/HF SSB
Gyro:	3 x Anschutz std 22 gyrocompass	VHF 1:	1 x Sailor RT 4822 VHF-DSC simplex
Autopilot:	1 x Anschutz Pilotstar D w/double amplifier	VHF 2:	1 x Sailor RT 4822 VHF-DSC simplex
Chart Plotter:	1 x TELCHART, Mod. T-2025 with slave aft.	VHF 3:	1 x Sailor RT 4722 VHF-DSC duplex
Navtex:	1 x FURUNO NAVTEX, Mod. NX500	VHF 4:	N/A
Joystick:	5 x Poscon II	UHF:	2 x Motorola GM 360 225 ch
AIS:	1 x Furuno FA-100 interfaced to electronic charts	Portable VHF:	3 x Motorola GP-900 ex, portable
VDR:	1 x Furuno VR5020 voyage data recorder	Portable UHF:	4 x Motorola GP-900 ex, portable
SSAS:	N/A	Mobile Telephone 1:	1 x Nokia Premicell with fax connection
Echo Sounder:	1 x Furuno Model FE-700	Mobile Telephone 2:	1 x Nokia 5210 only for voice
Speed log:	1 x Furuno Doppler Speed Log Model DS-80	Mobile Telephone 3:	1 x Nokia 32, Data
Satellite Navigator (GPS):	1 x Furuno GP-90, 12 channel	Iridium:	1 x Skanti sat tlf
DP:	1 x Dynpos AUTR,Kongsberg SDP21	Sat C 1:	1 x Furuno Felcom 12
DP Reference 1:	1 x DPS 700 (consists of DPS 102/200)	Sat C 2:	1 x Furuno Felcom 12
DP Reference 2:	1 x Fanbeam MDL @SR	Fleet 77:	1 x Thrane&Thrane TT-3622 B 64 kps data
DP Reference 3:	N/A	Intercom System:	Zenitel 700
DP Reference 4:	N/A		
Wind Sensors:	2 x Obserment, OMC 139		