

# TECHNICAL SPECIFICATION

## Bourbon Jade

Supply / ROV

UT 745 E



Revision: 15.02.2006

IMO no: 9297773

DNV id no: 24635

MMSI: 258903000

Call Sign: LMKV

### MAIN DESCRIPTION

Type:	UT 745 E
Classification:	DnV + 1A1, Fire Fighter I, OILREC, SF LFL, Comf-V(3), Helidk-S, E0, AUTR, Clean DK(+),HL(2,8), IMO DPII
Yard:	Aker Langsten A/S
Yard built no:	193
Place built:	Tomrefjord
Country built:	Norway
Delivered:	02-2004
Flag:	NOR
Port of registry:	Fosnavåg
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
Draught max:	6,20 m
Gross tonnage GT:	3963 t
Corresponding DWT:	3660 t
Net tonnage NT:	1438 t
ISM-Responsible:	Bourbon Offshore Norway AS

### CARGO CAPACITY

Deck cargo:	2500 T
Deck area:	850 m <sup>2</sup>
Deck strength:	10,0 t/m <sup>2</sup>
Fuel (gasoil):	1288,30 m <sup>3</sup>
Liquid Mud:	600,80 m <sup>3</sup> (2,5 S.G.)
Brine:	751,60 m <sup>3</sup>
Drillwater/Ballast:	2678,70 m <sup>3</sup>
Base Oil:	296,50 m <sup>3</sup>
Dry Bulk:	400,00 m <sup>3</sup> , 8 x 50m <sup>3</sup> vertical tanks
Fresh Water:	744,90 m <sup>3</sup>
Methanol:	160,80 m <sup>3</sup>
Oil Recovery:	1061,30 m <sup>3</sup>
Slop:	406,80 m <sup>3</sup>

### DISCHARGE RATES

Loading/Discharge station:	2 each side. 5" - 4".Weco connection/reducer
Fuel discharge rate:	2 pumps a' 250 m <sup>3</sup> /hour, 9 bar, Hydr.driven
Mud discharge rate:	2 pumps a' 100 m <sup>3</sup> /hour, 24 bar, Hydr.driven
Brine discharge rate:	2 pumps a' 100 m <sup>3</sup> /hour, 24 bar, Hydr.driven
Drillwater discharge rate:	2 pumps a' 250 m <sup>3</sup> /hour, 9 bar, Hydr.driven
Dry Bulk discharge rate:	80 tons/hour
Base Oil discharge rate:	2 pumps a' 150 m <sup>3</sup> /hour, 9 bar, Hydr.driven
Fresh Water discharge rate:	2 pumps a' 250 m <sup>3</sup> /hour, 9 bar, Hydr.driven
Methanol discharge rate:	2 pumps a' 100 m <sup>3</sup> /hour, 9 bar, Hydr.driven
Slop discharge rate:	1 pump a' 150 m <sup>3</sup> /hour, 9 bar, Hydr.driven

### MACHINERY / PROPULSION

Main Engine set 1:	2 x RRMB C25: 33L6A, 1740 kW - 900 RPM	Bow Thruster 1:	R&R, TT 2200 DNP-SS-CP, 241 rpm 883 kW
Main Engine set 2:	2 x RRMB C25: 33L6A, 1740 kW - 900 RPM	Compass Thruster Forward:	R&R, TCNS 73/50-180, 304 rpm 883 kW
Propulsion Aft:	2 x RRM AZP 120/86-320/US305CP 2500kW 171rpm	Main Generators set 1:	2 x ABB AM6 630 S08, 2070 kVA
Total BHP:	9333 BHP	Main Generators set 2:	2 x ABB AM6 630 S08, 2070 kVA
Total Kw:	6960 kW	Emergency Generator:	CAT 3408 TM Capacity 370,0 kW
		Shore Connection:	3 x 440V, 250A

**PERFORMANCE / CONSUMPTION**

Max Speed/Consumption:	16,75 knots, 28 m <sup>3</sup>
Service Speed/Consumption:	13,50 knots, 15 m <sup>3</sup>
Economical Speed/Consumption:	N/A
Standby Mode:	N/A
Port Consumption:	1,0 m <sup>3</sup>

**ACCOMODATION**

Cabins/Beds:	13 single / 27 double / 2 four mann cabin
Crew/Passengers:	75 persons + ( 2 pullmann bed,not placed )
Mess/Dayroom:	One messroom and three day room
Cool store/Freezer:	8,4m <sup>2</sup> / 9,4m <sup>2</sup>
Dry Provision:	11,7m <sup>2</sup>

**DECK / MULTIPURPOSE EQUIPMENT**

Tugger winch:	Rauma Brattvåg AKM4112, 2 x 12 tons	Towing pins:	1 x 250 tons Karm
Crane 1:	2 x TTS Marine deck crane	Stern Roller:	1 x Hydrakraft stern roller
Capacity 1:	3 tons at 12 m		
Crane 2:	1 x Hydralift Offshore crane		
Capacity 2:	70 tons single fall, 140 tons double fall		
Anchors conventional:	Stockless Bower Anchors, 2 x 3300 Kg		
Chain cables conventional:	Stud link chain cable 522,5m		
Windlass:	1 x Anchor windlass type RRM BRATTVÅG BFMG63.044		
Capstans:	2 x Capstan type RRM Brattvåg CM4110		
General Purpose Winch:	1 x 250 T Hydrakraft winch, may be rigged for chain handling.		
Fast winch:	Hydralift 5T AHC Winch, SWL: 5 T, Weight: 12500 kg, Wire dim: 26mm / 2000m, 10 layers, Lifting speed: 108m/min, Oil pressure (brake): 60 bar, Power supply 440		

**RESCUE EQUIPMENT**

Helicopter Deck:	Design for Super Puma AS 332 L2, max 9300 kg	Radar transponders:	2 x Jotron Tron Sart
Rescue class:	Fire Fighter I	Emergency Beacon:	1 x Jotron 40S,FB-4
Reception:	Heli. reception, 18,7 m <sup>2</sup> /18 seats, M deck 23 m <sup>2</sup>	GMDSS VHF's:	3 x Jotron Tron TR20
Hospital:	17,0 m <sup>2</sup> incl. Toilet	Survival Suits:	86 Viking
Fire Fighting equipment:	Flexifog, CO <sup>2</sup> and misc.	Life Jackets:	79 + 8 (79 adult + 8 children)
MOB Boats:	Merlin Norsafe type 6,15 15 persons	Life rafts:	10 x 25 persons Viking
Rescue Regulation:	NMD regulation		

**NAVIGATION AND COMMUNICATION EQUIPMENT**

Radar 3 cm:	1 x Furuno FR-2115 X-band ARPA	GMDSS Sea Area:	A3
Radar 10 cm:	1 x Furuno FAR-2835 S-band ARPA	MF/HF Radio:	1 x Furuno FS-2570 MF/HF/DSC. SSB 250 W simpl
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	VHF 2:	1 x Sailor RT 4822 VHF-DSC simplex
Chart Plotter:	1 x Furuno Telechart T-2025, slave aft.	VHF 3:	1 x Sailor RT 4722 VHF-DSC duplex
Navtex:	1 x Furuno NX-500	VHF 4:	1 x Furuno FM-2721 ( In Clients cabin )
Joystick:	5 x Poscon II	UHF:	2 x Motorola GM 360 225 ch
AIS:	1 x Furuno FA-100	Portable VHF:	3 x Motorola GP-900 ex, portable
VDR:	1 x Furuno 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 FE-700	Mobile Telephone 2:	1 x Nokia 5210 only for voice
Speed log:	1 x Furuno DS-80 doppler log	Mobile Telephone 3:	1 x Nokia 30 only for e-mail/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 Referance 1:	1 x Hipap 500	Sat C 2:	1 x Furuno Felcom 12
DP Referance 2:	DPS 700, Inmarsat / Spotbeam / lala / UHF	Fleet 77:	1 x Thrane&Thrane TT-3622 B 64 kps data
DP Referance 3:	Fanbeam 4 MDL, 1 x MRU 2 / 1 x MRU 5	Vsat Data/Phone link:	4 x phone line, 64kb upstream / 256kb downstream
DP Referance 4:	NR203, integrated multi differential GPS receiver MF/HF band	Intercom System:	Yes
Wind Sensors:	2 x Obserment, OMC 139	Helibeacon:	1 x TS-20B
		Helilanding Information:	1 x Sea Tex HMS 100
		Helicopter comm:	2 x Icom-IC A 110, 2 x Icom BC-119N Portable