

# TECHNICAL SPECIFICATION

## Bourbon Surf

Anchor Handling-Tug-Supply-Vessel

UT 722LX



Revision: 11.01.2008

IMO no: 9272412

DNV id no: 23774

MMSI: 258148000

Call Sign: LMCP

### MAIN DESCRIPTION

Type:	UT 722LX
Classification:	DnV + 1A1, Fire Fighter I, OILREC SF, COMF-V(3), C(3) ICE-C E0, DYNPOS-AUTR, CLEAN DK(+) HL(2.5)
Yard:	Aker Langsten AS
Yard built no:	196
Place built:	Tomrefjord
Country built:	Norway
Delivered:	2003
Flag:	NOR
Port of registry:	Fosnavåg
Owner:	Bourbon Ships AS

### MEASUREMENT

Lenght oa:	87.70 m
Lenght bpp:	76.00 m
Breath moulded:	18.00 m
Depth moulded:	8.00 m
Draught max:	6,60 m
Gross tonnage GT:	3905 t
Corresponding DWT:	3120 t
Net tonnage NT:	1181 t
ISM-Responsible:	Bourbon Offshore Norway AS

### CARGO CAPACITY

Deck cargo:	1000 t, 436 m <sup>2</sup>
Deck area:	545 m <sup>2</sup> (36,0 x 15,3m)
Deck strength:	5,0 t/m <sup>2</sup> - 10,0 t/m <sup>2</sup>
Fuel (gasoil):	1336 m <sup>3</sup>
Liquid Mud:	561 m <sup>3</sup> (2,5 S.G)
Brine:	835 m <sup>3</sup> (2,0 S.G)
Drillwater/Ballast:	1202 m <sup>3</sup>
Base Oil:	201 m <sup>3</sup>
Dry Bulk:	282 m <sup>3</sup> , (4 x 70,5 m <sup>3</sup> )
Fresh Water:	614 m <sup>3</sup> , (402 m <sup>3</sup> excl. Stab t)
Oil Recovery:	1032 m <sup>3</sup>

### DISCHARGE RATES

Loading/Discharge station:	2 each side. 5" - 4".Weco connection/reducer
Fuel discharge rate:	250 m <sup>3</sup> /hour . 9 bar
Mud discharge rate:	2x75 m <sup>3</sup> /hour. 9 bar (18 bar)
Brine discharge rate:	2x75 m <sup>3</sup> /hour. 9 bar (18 bar)
Drillwater discharge rate:	250 m <sup>3</sup> /hour . 9 bar
Dry Bulk discharge rate:	80 tons/hour
Base Oil discharge rate:	125 m <sup>3</sup> /hour 9 bar
Fresh Water discharge rate:	250 m <sup>3</sup> /hour . 9 bar

### MACHINERY / PROPULSION

Main Engine set 1:	2 x R&R, B32:40L6P, 3000 kW RPM 750	Stern Thruster 1:	1 x Ulstein 375 TV, 883 kW / 1200 BHP
Main Engine set 2:	2 x R&R, B32:40L9P, 4500kW RPM 750	Stern Thruster 2:	1 x Ulstein 375 TV, 883 kW / 1200 BHP
Propulsion Aft:	2 x R&R, 4100mm.dia in nozzle.	Auxiliary Engine set 1:	1 x Cummins KTA 38D / 809 kW
Rudders:	2 x Ulstein Highlift.	Auxiliary Engine set 2:	1 x Cummins KTA 50D / 1210 kW
Total BHP:	20400 BHP	Main Generators set 1:	1 x AVK. Dsg, 2550 kW
Total Kw:	15000 kW	Main Generators set 2:	1 x AVK. Dsg, 2550 kW
Bow Thruster 1:	1 x Ulstein 250 TV, 883 kW / 1200 BHP	Emergency Generator:	1 x Scania D 9 95M, 155 kW
Compass Thruster Forward:	1 x Ulstein TCNS 73/50/180, 883 kW / 1200 BHP	Shore Connection:	3 x 440V/200A

**PERFORMANCE / CONSUMPTION**

Bollard Pull max:	234 mt/750 RPM (15000 kW + 883 kW)
Bollard Pull continued:	220 mt/750 RPM (15000 kW)
Max Speed/Consumption:	17,7 Kn / 75 m <sup>3</sup>
Service Speed/Consumption:	13,0 Kn / 25 m <sup>3</sup>
Economical Speed/Consumption:	N/A
Standby Mode:	10 m <sup>3</sup> /day
Port Consumption:	1,0 - 1,5 m <sup>3</sup> /day

**ACCOMODATION**

Cabins/Beds:	9 single/11 double
Crew/Passengers:	16/15 Persons
Mess/Dayroom:	70 m <sup>2</sup>
Cool store/Freezer:	5,4 m <sup>2</sup> / 6,8 m <sup>2</sup>
Dry Provision:	14,3 m <sup>3</sup>

**DECK / AHL EQUIPMENT**

Tugger winch:	2 x 20 tons	Shark Jaws:	2 x 750 SWL, Karm
Crane 1:	2 x HydraMarine	Towing Wire:	1 x 1500m / 84mm
Capacity 1:	15 tons/10 m - 10 tons at 15 m	Spare Tow Wire:	1 x 1200m / 87mm
Crane 2:	2 x Palfinger Marine	Work Wire A/H:	1 x 1500m / 84mm
Capacity 2:	1 x (0.89t/14.4m, 5.7t/2.8m) - 1 x (0.93t/16.8m, 4.86t/4.4m)	Spare Work Wire:	1 x 2500m/87mm, 1 x 700m/86mm
Anchors conventional:	2 x 3020 kg Ord. Spek	Tugger Wire:	2 x 150m / 24mm
Chain cables conventional:	2 x 468,75 m (2 x 17 shots, each of 27,5 m)	Cargo Wire:	4 x 50m / 24mm
Windlass:	1x Hydraulic comb.windlass / moring winch.	Wildcat Wire:	2 x 50m / 19mm
Capstans:	2 x 15 tons, with wire drum	Capstan Wire:	3 x 60m / 19mm
Anker Handling/Tow Winch:	1 x 500 tons, 1 x 400 tons R&R Brattvåg,	Forerunner tow winch:	1 x 150m – 77mm
Secondary Winches:	4x138t, 4000m/76mm wire or 1298m of 8" rope	Forerunner work winch:	1 x 120m – 77mm
Cargo secure Winches:	4 x 20 tonn mounted on topp of corgorail	Forerunner Sec Winches:	4 x 120m / 71mm
Rig Chain Gipsies:	2x76mm / 2x84mm / 1x90mm / 1x95mm / 1x105mm	Grapnels for Chain:	1 x 150 t SWL, 76mm
Chain Lockers:	851 m <sup>3</sup>	Forged J Chaser:	1 x 150 t SWL
Towing pins:	2 x 2 x 330 tons, Karm.	CR-D Connectors:	1 x 160 t SWL
Pop Up Pins:	2 x 95 tons SWL	Smith Brackets:	1 x SWL 500t
Stern Roller:	2 x 3m x ø 3,5m Tot. L: 6.0 m SWL: 500 mt		

**RESCUE EQUIPMENT**

Rescue class:	Fire Fighter I	Radar transponders:	2 x Jotron Tron SART 9-GHZ
Hospital:	15,0 m <sup>3</sup>	Emergency Beacon:	1 x Jotron Tron 40S
Fire Fighting equipment:	2 x 1200 m <sup>3</sup> /h, Pump: 3400 m <sup>3</sup> /h	GMDSS VHF's:	3 x Jotron Tron TR 20 VHF
MOB Boats:	1 x Mare Safety GTC 700	Survival Suits:	50 x Helly Hansen
Rescue Regulation:	NMD regulation	Life Jackets:	40 x Seamaster / (36 adult & 4 children)
		Life rafts:	4 x 25 persons Viking / 1 x 6 persons Viking

**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 Sailor HC 4500 250 W simplex transceiver
Radar slave:	1 x Furuno FR-1510 Mk3 in overh. Consol aft.	Radio Telex:	1 x Sailor DT 4646 E
Direction Finder:	1 x Taiyo TD-L 1550	DSC Receiver:	1 x Sailor
Gyro:	3 x Anschuts Standar 20 compact gyrocompass	Helicopter comm:	1 x Icom IC-A 110 VHF AM
Autopilot:	2 x Anschuts Pilotstar D .	VHF 1:	1 x Sailor RT-4822 DSC
Chart Plotter:	1 x Furuno Telechart T-2025, slave aft.	VHF 2:	1 x Sailor RT-4822 DSC
Navtex:	1 x Furuno NX-500	VHF 3:	1 x Sailor RT-4722 DSC
Joystick:	3 x Poscon	UHF:	2 x Motorola GM 380, 200 channels
AIS:	1 x Furuno FA-100	Portable VHF:	N/A
Echo Sounder:	2 x Furuno FCV-700 / Furuno FCV-1200L	Portable UHF:	5 x Motorola Radius GP 900
Speed log:	1 x Furuno DS-80	Mobile Telephone 1:	2 x Nokia PremiCell w/fax
Satellite Navigator (GPS):	1 x Furuno DGPS-80, 12 channel	Mobile Telephone 2:	1 x Nokia Benefon 450
DP:	1 x Dyn pos AUTR, Kongsberg SDP 21	Mobile Telephone 3:	1 x Nokia 30 for email/data
DP Referance 1:	1 x DPS 102, 1 x DPS 200	Iridium:	1 x Skanti Scansat 7701
DP Referance 2:	1 x Hipap 350	Sat C 1:	1 x Sailor H2095C
DP Referance 3:	1 x Fanbeam MK4	Sat C 2:	N/A
DP Referance 4:	1 x Furuno DGPS 80	Fleet 77:	1 x Nera F77 64kps data.
Wind Sensors:	2 x Obsermet OMC 139	Intercom System:	Yes
VDR:	1 x Furuno S-VDR, Model VR-3000S	Vsat Data/Phone link:	128kb up/down-stream, 2 x voice