

Technical Specification Sea Lion



DEEP SEA SUPPLY



IMO no: 9393412
 LRS id no : 9393412
 MMSI : 259 249 000
 Call Sign : LAKC

MAIN DESCRIPTION		MEASUREMENT	
Type :	Havyard 842 - AHTS	Lenght oa :	74,50 m
Classification :	Loyds LRS+100 A1 Offshore Tug /	Lenght bpp :	64,80 m
	Supply Vessel-EP(B)-FiFi 1-CAC(3)	Breath moulded :	17,20 m
	LMC-UMS-DP(AA)-PCR-ICE CL 1E	Depth moulded	8,00 m
Yard :	Havyard Leirvik	Draught max :	6,85 m
Yard build no :	95	Gross tonnage GT :	Abt 2806 mt
Place built :	Leirvik, Norway	Correspondign DWT :	Abt 3000 mt
Delivered :	October 2008	Net tonnage NT :	Abt 857 mt
Flag :	Norwegian	Air draft at 6,10 m EK:	
Port of registry :	Arendal	Speed svc/max.	12,5 knots / 18 knots
Owner :	Deep Sea Supply Shipowning AS	ISM-Responsible :	OSM Ship Management AS
		Light Ship	Approx 2828 ts
		Displacement	Approx 5828 ts

CARGO CAPACITY		DISCHARGE RATE	
Deck cargo:	1100 mt	Loading/Discharge station :	S/B aft/mid ship
Deck area:	520m ²	Fuel discharge rate :	200 m ³ /h-9 bar (2 off)
Deck strength:	10 ts / m ²	Mud discharge rate :	75 m ³ /h-24 bar (2 off)
Fuel (gasoil) :	1100 m ³	Drillwater discharge rate :	200 m ³ /h-9 bar (1 off)
Liquid Mud :	570 m ³	Dry bulk discharge rate :	2 comp x 25m ³ /min 5,6 bar
Drillwater/Ballast :	1200 m ³	Brine discharge rate:	75 m ³ /h-18 bar (1 off)
Brine:	545 m ³	Fresh Water discharge rate :	200 m ³ /h-9 bar (2 off)
Dry Bulk (4 tanks)	220 m ³		
Fresh Water :	725 m ³		

MACHINERY / PROPULSION			
Main Engine set 1 :	Mak 2 x 6000 kW each at 750 rpm	Stern Thruster :	1 x 883 kW
Propulsion Aft:	2 x 4 blades in nozzles 4m dia	Generators :	2 x 3000 kWA
Rudders :	2 x split high flap	Diesel Generators :	1 x 1050 kW + 1 x 550 kW
Total BHP :	17 520 BHP	Emergency Generator :	1 x 72 kW
Total Kw :	12 883 kW	Shore Connection:	440V,3 Phase, 60 Hz
Bow Tunnel Thruster:	1 x 883 kW	Incinerator	1 x Teamtec
Azimuth Bow Thruster:	1 x 883 kW		

PERFORMANCE / CONSUMPTION**ACCOMODATION**

Bollard Pull continous :	Above 200 ts	Air conditioning system:	All cabins
Max Speed/Consumption :	18 kts / 55 ts / 24 hrs	Mess/Dayroom:	1
Service Speed / Consumption:	12 kts / 15 ts / day	Dayroom Smokers:	1
Economical Speed/Consumtion :	12-15 kts	Dirty mess:	1
DP Standby Mode :	Abt 4 ts	Ships Office:	1
Port Consumption :	1-2 ts	Gymnasium:	1
Accommodation/Passengers:	18 cabins / 42 pers / 12 passengers	Cool store/Freezer:	Yes
Cabins/beds:	2x1+13x2+2x4+1x6	Dry provision:	Yes

DECK / AHL EQUIPMENT

Tugger Winch & Capstans :	2 x Brattvaag 17 ts & 2 x Bratvaag 10 ts	Rig Chain Gypsis:	2 x76 + 2 x 84 + 1 x 90 mm
Deck cranes (ts/radius):	1 x 3,5t/10 m / 1 x 5t/15 m port side rail	Chain Lockers:	4 lockers abt 400 m3
Windlass:	2 x Brattvaag 25 ts	Chain Roller:	Yes
Anker Handling/Tow Winch :	2 x 350 ts Pull / 500 ts Break	Towing Wire :	1500 m of 76 mm
AH winch drum/flange/l:	1200/3200/4700mm. 5500m/77mm wire	Spare Tow Wire :	1500 m of 76 mm
AH drum rope cap mm/m:	150/1444, 160/1392, 180/1042, 203/749	Work Wire A/H :	1x800m+1x1500mx76mm
Tow winch drum/flange/l:	1200/3200/2100mm + 2100mm	Spooling device:	AH/Towing/Secondary
Tow wich/drum cap:	2 x 2480m x 77mm Wire	Grapnels for Chain :	Yes
Tow drum rope cap mm/m:	2x(150/640, 160/616, 180/460, 203/330)	Forged J Chaser :	Yes
Secondary winch/drum:	1000mm/3300mm/3400mm+900mm	Smith Bracket:	250 ts SWL
Secondary winch cap:	75 ts pull. 4493m+1150m. (4880m/77mm)	Shark Jaws :	2 x 650 ts SWL
Secondary winch rope cap:	150mm/1147+285m, 160mm/1111+274m	Towing Pins:	2 x 300 ts SWL
Secondary winch rope cap:	180mm/855+209m, 203mm/638+154m	Split Stern Roller:	6m x 3m dia. 500 ts SWL

RESCUE EQUIPMENT

Hospital :	Yes	Survival Suits :	47
Fire Fighting equipment :	FiFi Class 1	Life jackets :	42+4 children
MOB Boats:	1x Alusafe 770 MOB Boat. 10 persons	Life rafts:	2 x 20, 4 x 25

NAVIGATION AND COMMUNICATION EQUIPMENT

Radar S-band:	1x Furuno FAR-2837 BB ARPA	SSB Radio HF/MF/DSC:	1x Furuno FS-2570
Radar X-Band:	1x Furuno FAR-2117 BB ARPA	VHF/DSC:	2x Sailor Rt 5020 Dsc
Gyro Compass:	3x Navigat X Mk 2 Mod 10	SSAS:	1x Furuno SSAS Mod Kit
Auto Pilot:	1x Navipilot 4000	VHF:	2x Sailor Rt 4800
Plotter:	1x Telchart T-2026 Chartplotter	Inmarsat C:	2 x Furuno Felcom 15
AIS:	1x Furuno Model FA 150	Navtex:	1x NAV 7 Navtex
GPS:	1x Furuno DGPS Navigator GP 150	EPIRB:	1x Mc Murdo E5
Speed Log:	1x JRC JLN-205 Doppler Speed Log	EPIRB:	1x Mc Murdo E5 manual
Echo Sounder:	1x Skipper GDS 102	Radartransponder:	2x Mc Murdo S4 Sart
VHF Dir Finder:	1x Taiyo Td-L1500	VHF Portable:	3x Simrad/Navico Axis 30
Magnetic Compass:	1 x 8"	UHF Portable:	4x Motorola GP 380
Weather Faximile:	1	Mobile phone:	2x Type GSM
Sound Reception:	1x Phontech SR 8200	Sailor Fleet Broadband:	1x Sailor 250
Voyage Data Recorder:	1x Furuno VR 3000	V-Sat:	1x ShipEquip Sev-Sat

DP-JOYSTICK CONTROL

DP system:	Rolls Royce ICON DP 2	DGPS:	1 x Seatex DPS 200
Rolls Royce Poscon Joystick:	4x Controll Positions	DGPS:	1xMX 500 GPS/DGPS
Wind sensors:	2 Wind Observer II Anemometer	Fanbeam:	1 x MDL 4,2