

Technical Specification
SEA LEOPARD
 DP II - Multipurpose AHT Vessel
 KMAR 404



DEEP SEA SUPPLY ASA



IMO no: 9166364
 DNV id no : 20116
 MMSI :
 Call Sign : 5BBT2

MAIN DESCRIPTION	MEASUREMENT
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Type :	KMAR 404	Lenght oa :	73.50 m
Classification :	DNV 1A1, AUTR, Tug	Lenght bpp :	66,65 m
	Supply Vessel,	Breath moulded :	16.40 m
Yard :	SF E0, DK(+), HL (2,8)	Depth moulded :	8.00 m
	Kværner Leirvik as	Draught max :	6.90 m
Yard built no :	276	Gross tonnage GT :	2556
Place built :	Leirvik in Sogn	Correspondign DWT :	2900 mt
Country built :	Norway	Net tonnage NT :	810
Delivered :	1998	Air draft at 6,50 mt EK:	28,50 m
Flag :	Cyprus	Speed svc/max.	10/15,5 knots at 16/44 m3 GO
Port of registry :	Arendal	ISM-Responsible :	OSM AS
Owner :	SFI BB DESS Cyprus Ltd		

CARGO CAPACITY	DISCHARGE RATE
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Deck cargo:	1.000 tons	Loading/Discharge station :	2 each side
Deck area:	550 m2	Fuel discharge rate :	1 off 250 m3/h - 9 bar
Deck strength:	5 t/m2 - 10 t/m2	Mud discharge rate :	2 off Each 95 m3/h - 24 bar
Fuel (gasoil) :	950 m3	Brine discharge rate :	2 off Each 95 m3/h - 18 bar
Liquid Mud :	616 m3	Drillwater discharge rate :	1 off 250 m3/h - 9 bar
Brine :	578 m3	Dry bulk discharge rate :	Abt.100 t/h
Drillwater/Ballast :	664 m3 + 264 m3	Base Oil discharge rate :	N/A
Base Oil :	N/A	Fresh Water discharge rate :	1 off 250 m3/h - 9 bar
Dry Bulk :	4 tanks 225 m3 (8,000 cu.lt.)		
Fresh Water :	500 m3		

MACHINERY / PROPULSION			
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Main Engine set 1 :	1 x 5.620 kW 750 rpm	Stern Thruster :	1 x 800 kW , tunnel
Main Engine set 2 :	1 x 5.620 kW 750 rpm	Generators :	2 x 1.800 k W , Shaft
Propulsion Aft:	2 x 4 blades in nozzles dia 3,8 m	Diesel Generators :	2 x 300 k W
Rudders :	2 x flap , independent operation	Emergency Generator :	1 x 80 k W
Total BHP :	15.000	Shore Connection:	440 V/60 Hz
Total Kw :	11.240		
Bow Thruster:	1 x 800 kW ,tunnel		
Azimuth Thruster Forward	1 x 800 kW azimuth		

Deep Sea Supply Norway

All figures and data belived to be correct, but not guaranteed

PERFORMANCE / CONSUMPTION**ACCOMODATION**

Bollard Pull max :	187 mt	Cabins/Beds :	12
Bollard Pull continuous :	173 mt	Crew/Passengers :	12
Max Speed/Consumption :	15.0 knots at 40 m3/day	Mess/Dayroom :	1
Service Speed/Consumption:	14.0 knots at 34 m3/day	Cool store/Freezer :	1
Economical Speep/Consumtion :	11.0 knots at 20 m3/day	Dry Provision :	1
Standby Mode :	Abt 6 m3/day		
Port Consumption :	Abt 1-2 m3/day		

DECK / AHL EQUIPMENT

Tugger Winch :	Brattvaag 2x 10 mt	Shark Jaws :	2 x 500 mt
Crane 1 :	5 mt / 14 m	Towing Wire :	1200 m of 76 mm
Windlass:	Brattvaag 2x 5 mt	Spare Tow Wire :	1200 m of 76 mm
Capstans:	Brattvaag 5 mt	Work Wire A/H :	750 m of 76 mm
Anker Handling/Tow Winch :	Brattvaag SL 300t Pull / 400t Break	Grapnels for Chain :	Yes
	2x2000m of 76 med mer wire	Forged J Chaser :	Yes
Rope reels:	Brattvaag 20 mt	Wire spooling	
	2 x 2500 m of 76 m m	Device :	Yes Installed on Towing and
Rig Chain Gipsies :	2x76m m + 1x84 m m rig chain		AH drums
Chain Lockers :	2 x 132 m3		
Towing pins:	Karmøy KWT 350-800 / SWL 240 mt		
Stern Roller :	L: 6.0 m x 3.0m diam. SWL 500 mt		

RESCUE EQUIPMENT

Hospital :	For 6 persons	GMDSS VHF's:	3
Fire Fighting equipment :	Normal extinguishers	Survival Suits :	19
MOB Boats:	1	Life jackets :	24
Radar transponders :	1	Life rafts:	5
Emergency Beacon:	2		

AND COMMUNICATION EQUIPMENT

Radar 3 cm:	1 Furuno FR-2115	GMDSS Sea Area:	A1-A2-A3
Radar 10 cm:	1 Furuno FAR-2835 S	MF/HF Radio :	Sailor RE2100
Radar Slave :	2 As above	DSC Receiver :	Sailor RM2150
Direction Finder :	Extinct	VHF 1 :	Sailor RW2042
Gyro:	1 Anschutz Standard 20	VHF 2:	Sailor RT2048
Autopilot:	Yes	VHF 3 :	Sailor RT2047
Chart Plotter :		UHF :	ICOM IC F21BR
Navtex :	1 JMC NT-900	Portabel UHF :	ICOM IC F21BR
Joystick :	Yes	Mobil Telephone :	Nokia 3100
AIS :	1 Furuno FA-100	Iridium :	Yes
Echo Sounder :	1 Furuno FG 680	Mini-M :	RadioHolland
Speed log :	Yes	Sat C 1 :	Sailor H2095B
Satellite Navigator (GPS)	1 Furuno Nav. GP-80	Sat C 2 :	Sailor H2095B
Wind Sensors:	Aanderaa	Intercom System :	Vingtor