

# Technical Specification

## SEA COUGAR

KMAR Multipurpose AHT Vessel



**DEEP SEA SUPPLY**

IMO no: 9190963  
 DNV id no : 21402  
 MMSI : 259570000  
 Call Sign : LJQY



MAIN DESCRIPTION		MEASUREMENT	
Type :	KMAR 404	Lenght oa :	73.60 m
Classification :	DNV +1A1 Tug Supply Vessel SF,EO,HL (+) HL(2.8),DK(+),Oil rec,FiFi II, DYNPOS-AUTR	Lenght bpp :	66,60m
Yard :	Kvæerner Kleven as	Breath moulded :	16.40 m
Yard built no :	270	Depth moulded	8.00 m
Place built :	Ulsteinvik	Draught max :	6.90 m
Country built :	Norway	Gross tonnage GT :	2599
Delivered :	1999	Correspondign DWT :	2750 t
Flag :	NOR	Net tonnage NT :	810 t
Port of registry :	Arendal	Air draft at 6,50 mt EK:	28.5 mtrs
Owner :	Deep Sea Supply Shipowning As	Speed svc/max.	10/15,5 knots
		ISM-Responsible :	OSM

CARGO CAPACITY		DISCHARGE RATE	
Deck cargo:	1.000 tons	Loading/Discharge station :	2 each side, 6"-4" Weco/ red
Deck area:	550 m <sup>3</sup> (42x13,4m)	Fuel discharge rate :	250 m <sup>3</sup> /h - 8 bar
Deck strength:	5 t/m <sup>2</sup> -10 t/m <sup>2</sup> aft of frame 32	Mud discharge rate :	2 x 75 m <sup>3</sup> /h - 24 bar
Fuel (gasoil) :	824 m <sup>3</sup>	Brine discharge rate :	2 x 75 m <sup>3</sup> /h - 24 bar
Liquid Mud :	615 m <sup>3</sup>	Drillwater discharge rate :	250 m <sup>3</sup> /h - 9 bar
Brine :	685 m <sup>3</sup>	Dry bulk discharge rate :	Abt.100 t/h
Drillwater/Ballast :	921 m <sup>3</sup>	Base Oil discharge rate :	75m <sup>3</sup> /h - 9 bar
Dry Bulk :	4 tanks 240 m <sup>3</sup>	Fresh Water discharge rate :	150 m <sup>3</sup> / h 9 bar
Fresh Water :	516 m <sup>3</sup>	Couplings	4" WECO
Oil Recovery:	992 m <sup>2</sup>		

MACHINERY / PROPULSION			
Main Engines :	2 x 7507 BHP Wartzila Diesel 5.530 kW 750 rpm	Auxiliary Engine set 1:	1125 Kw at 1800 rpm 1338 KVA, 3 x 450 V – 60 Hz
Propulsion Aft:	2 x 4 blades in nozzles dia 3,8 m	Auxiliary Engine set 2:	320 Kw at 1800 rpm 375 KVA, 3 x 450 V – 60 Hz
Rudders :	2 x flap , Ulstein Highlift	Emergency Generator :	1 x 116 Kw
Bow Thruster:	1 x 900 kw, tunnel 1224 BHP	Shore Connection:	450 V/60 Hz
Stern Thruster :	1 x 900 Kw, tunnel 1224 BHP	Total Kw :	11860 Kw
Azimuth Thruster Forward	1 x 800 Kw azimuth 1088 BHP	Total BHP :	15014 BHP
Shaft Generator 1:	1 x AVK DSG, 2400 KVA		
Shaft Generator 2:	1 x AVK DSG, 2400 KVA		

Deep Sea Supply Norway

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

**PERFORMANCE / CONSUMPTION****ACCOMODATION**

Bollard Pull max :	196 MT	Cabins for crew:	12 x 1 for crew
Bollard Pull continuous :	187 MT	Cabins for passengers	2 X 2 / 1 x 4
Max Speed/Consumption :	17.0 knots at 43 m <sup>3</sup> /day	Mess/Dayroom :	45 m <sup>2</sup>
Service Speed/Consumtion:	14.0 knots at 30 m <sup>3</sup> /day	Crew/Passengers :	20 Persons
Economical Speep/Consumtion :	12.0 knots at 22 m <sup>3</sup> /day	Mess/Dayroom :	45 m <sup>2</sup>
Standby Mode :	Abt 4-5 m <sup>3</sup> /day	Cool store/Freezer :	12 m <sup>2</sup>
Port Consumption :	Abt 1-2 m <sup>3</sup> /day	Dry Provision :	17 m <sup>2</sup>
DP Operations by rig	Abt 12 m <sup>3</sup> /day		

**DECK / AHL EQUIPMENT**

Tugger Winch :	Brattvaag 2x 15 mt	Stern Roller :	1 x 3m x 6m, 500 t
Crane	5 mt / 14 m	Shark Jaws :	2 x 750 mt
Windlass:	1 x Brattvaag 16.4 mt	Towing Wire :	1400 a 76 mm
Capstans:	Brattvaag 2x 10 mt	Spare Tow Wire :	1200 a 76 mm
Anker Handling/Tow Winch :	Brattvaag SL 300t Pull / 400t Break	Work Wire A/H :	750 a 76mm
A/H-Tow drum capacity	2x2042m of 76 mm wire	CR-D Connectors	120t - (73-84)
A/H-Tow drum dimension	L:2500mm D:900/2600mm	Towing Eye	150t force
Rope reels:	Brattvaag 20 mt	Grapnels for Chain :	BLE 1090 - 100t
	2 x 2042 m of 76 m m	Forged J Chaser :	BLE 101-100t
Storage drum capacities	2 x 2000m a' 76mm	Spooling Device	Yes Installed on Towing and AH drums
Rig Chain Gipsies :	2 x 84mm, 2 x 76mm	Smith brackets:	200 t
Chain Lockers :	2 x 130 m <sup>3</sup>		
Towing pins:	Karmøy KWT 350-800 / SWL 240 mt		

**RESCUE EQUIPMENT**

Rescue class :	Equipped for 250 pers. ( Max 330 persons )	Reception	30 m <sup>3</sup>
Hospital :	20 m <sup>3</sup>	Rescue Regulation :	NMD
FI - FI Pumps/ Monitor :	FiFi II	Radar Transponder	2xJotron Torn SART
Monitor Capacity	2 x 3600m <sup>3</sup> /hr	Emergency Beacon:	Jotron Torn 40S
Pump Capacity	2 Kverner Eureka 4200m <sup>3</sup> /hr	GMDSS VHF` s:	3
MOB Boats:	Norsafe Magnum 750	Survival Suits :	29
Rescue basket	Bennex	Life jackets :	According to reg
Rescue nets	2 x rope nets	Life rafts:	4 x 25 persons

**ND COMMUNICATION EQUIPMENT**

DP System (DP 2)	Kongsberg Simrad SDP2 AUTR	GMDSS Sea Area:	A3
DP Refrance	Fanbeam,MDL	MF/HF Radio :	Sailor SSB T2130/RE2100
DP Refrance	DPS 700 (DPS 132 + DPS 200)	Radio Telex :	Sailor HF SSB TELEX/DSC
Radar 3 cm:	Furuno FR-2115	DSC Receiver :	Sailor RM2149/2150/2151
Radar 10 cm:	Furuno FAR-2835 (ARPA)	Helicopter comm :	ICOM IC-A3E VHF
Radar Slave :	19 " radar repeater	VHF 1 :	Sailor RT2047
Direction Finder :	TAIYO DT-L1550A	VHF 2:	Sailor RT2048
Gyro:	3 x Anschutz Digital 22	VHF 3 :	Skanti VHF 3000 Simplx
Autopilot:	Anschutz Pilotstar D	VHF	In ECR
Chart Plotter :	TELchart 2026ASI interface	UHF :	yes
Navtex :	JMC NT-900 reciver	Portabel UHF :	(8) 4 units w/helmet control
Joystick :	KAMEWa	Mobil Telephone :	Yes/ Voice / Email
AIS :	Furuno Universal FA-100	Iridium :	Motrola
Echo Sounder :	Furuno FE-680	Mini-M :	Sailor
Speed log :	Furuno Doppler DS-70	Sat C	2xSailor
Satellite Navigator (GPS)	Furuno GP-80 DGPS reciever	Fleet 77	Thrane&Thrane F77
Wind Sensors:	2 x Gill WindObserver II	Intercom System :	Vingtor Marine ALPHACOM
		Helibeacon:	1 x Scanti TU 8250B

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