

**VESSEL TECHNICAL SPECIFICATIONS**

1	General	
1.1	Vessel name	NOS ARIES
1.2	Vessel previous names	New building
1.3	Flag	Italian
1.4	Port of Registry	Genova- ITALY
1.5	Builders	Yuexin Shipyard (China)
1.6	Year of built	2014
1.7	Ship Owner/ Disponent	F.Ili NERI
1.8	Ship Operating Company (ISM Management Company)	F.Ili NERI
1.9	Classification Society	BV
1.10	Class notations	I * HULL * MACH, Tug, Escort Tug, Supply Vessel, Fire fighting ship 1-water spraying, Oil recovery ship SECOND-LINE, Special Service – ANCHOR HANDLING, LHNS – oil product FP>60°C, SP42, Unrestricted Navigation, * AUT-UMS, * (ALM), * DYNAPOS AM/AT R (DPS-2), SPS 2008
1.11	Next Class Renewal due date	April 2019
1.12	Next Dry-docking Survey due date	April 2016
1.13	Gross Register Tonnage	1936
1.14	Net Register Tonnage	580
2	Dimensions & Main details	
2.1	Length O.A.	60.60 m
2.2	Length B.P.	56.20 m
2.3	Moulded breadth	15.80 m
2.4	Moulded depth	6.50 m
2.5	Draft (Summer)	5.00 m
2.6	Free board	1.50m
2.7	Deadweight	1370 tons (light ship)
2.8	Propulsion Power (BHP)	2 x 3000 BHP @ 800rpm Niigata
2.9	Bollard Pull	88,1 Tons
2.10	Bow thrusters (BHP)	2 bow thrusters x 8 tons



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2.11	Stern thrusters (BHP)	1 stern thruster x 8 tons
2.12	Main diesel generator no. 1 (KW)	440 V / 60 Hz / 425 Kw Cat
2.13	Main diesel generator no. 2 (KW)	440 V / 60 Hz / 425 Kw Cat
2.14	Main diesel generator no. 3 (KW)	NA
2.15	Emergency generator (KW)	440 V / 60 Hz / 83 KW MAN
2.16	Shaft generators	2 x 1200 Kw shaft driven
2.17	Propellers	2 sets of controllable pitch propeller in Kort nozzle
2.18	Rudders number and type	2 trailing flap Westmarine type high performance rudders
2.19	Accommodation	4 x 1 man cabin 6 x 2 man cabin 8 x 4 man cabin Total: 48 men
2.20	Provision Store	Chiller + Freezer 30m ³
3	Cargo Capabilities	
3.1	DWT Tons	1500 Tons @ 5 meters draft
3.2	Fuel Oil tanks (185 tons ships & 200 tons cargo)	594 m3
3.3	Fresh Water Tanks	547 m3
3.4	Oil & water based mud	280 m3 with agitators
3.5	Mud	280 m3
3.6	Water ballast/Drilling water	460 m3
3.7	Dry Bulk tanks	4
3.8	Bulk tanks type	vertical
3.9	Bulk tanks capacity	187 m3
3.10	Foam	17.9 m3
3.11	Rec-Oil capacity	271 m3
3.12	Oil dispersant capacity	17.9 m3
3.13	Deck cargo	500 Tons
3.14	Clear deck area	370 m2
3.15	Clear deck dimension(length x breadth m)	35.00 x 13.8 m
3.16	Deck strength	7 tons/m2



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4	Cargo/Material transfer capabilities	
4.1	Fuel	1 x 150 m ³ /h @ 75 meters Head
4.2	Fresh water	1 x 100 m ³ /h @ 75 meters Head
4.3	Oil & water based mud	2 x 70 m ³ /h @ 75 m Head
4.4	Drill water	1 x 100 m ³ /h @ 75 Meters Head
4.5	Dry Bulk	2 x 13 m ³ /min @ 80psi air compressors
5	Towing and Anchor Handling equipment	
5.1	Total Number of drums	2 drums MacGregor
5.2	Anchor handling winch brake holding capacity	250 Tons static brake capacity at 1 st layer
5.3	Anchor handling winch line pull	150 Tons
5.4	Anchor handling drums capacity	1000 Meters of 56mm Dia
5.5	Anchor handling wire	1000 Meters of 56mm Dia
5.6	Towing winch brake holding capacity	250 Tons
5.7	Towing winch line pull	150 Tons
5.8	Towing winch drum	1000 Meters of 56mm Diameter
5.9	Towing	1000 Meters of 56mm Diameter
5.10	Storage reel with spare towing wire	1000 Meters of 56mm Diameter
5.11	Rig chain wildcats	NA
5.12	Capstains – Vertical type	2 Vertical Type of 5 Tons Each
5.13	Tugger winch	2 of 10 Tons Mentrade
5.14	Shark Jaws	1 Set of 200 Ton SWL Hydraulic operated
5.15	Towing pins	2 Set of 200 Ton SWL Hydraulic operated
5.16	Stern roller	1 of 200 Tons SWL 5 meter length x 1,5 meter Dia
5.17	Chain lockers	NA
5.18	Deck crane	1 x 8.8 tons @ 12.38 m HLRM1401/3S Heila
5.19	Storage reel	added
5.20	Wire stopper	1
5.21	CCTV monitors for AHTW Monitoring by wheelhouse	Wheelhouse located

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6	Other equipment	
6.1	Fi-Fi system	FiFi 1 – 2 Monitor s(water/foam) pumps of 1680m3/h @ 11barFFS Type
6.2	Joy-stick	1
6.3	Antipollution equipment – Spray booms	2 dispersant spray arms
6.4	GMDSS for A3 area including satellite communication system	A3 Furuno RT 1800T Including satellite communication system
6.5	Weather fax	Furuno fax 408
6.6	GPS	Furuno GP 150
6.7	Rescue craft	rescue boat 6 persons SOLAS Approved
6.8	Rescue scrambling nets	Available
6.9	Radar and Eco- Sounder	2 Radars- 1 x S Band; 1 x X Band Furuno FR2117 & FR8122 1 Eco Sounder Furuno FE 700
6.10	VHF, Cell. Phone and other Com Equipments	2 cell – 3 VHF (GMDSS) + 5 deck operation VHF
6.11	Anchor Windlass	1 with two cable lifter and two warping drums Mentrade
6.12	Anchor and chains	2 HH Type anchors each 1350 kg, total length of the chains 440 m chains 38 dia With two chain stoppers , spindle compressor type
6.13	Freshwater maker	1 x 5 tonnes/day
6.14	Oily water separator	1 x 1.0 m3/h
6.15	Sewage Treatment Plant	1 x 42 persons/day
6.16	Gratings for thrust tunnel and sea chest	Available
7	Copy of the following Ship Certificates or Statements of Compliance shall be provided.	
7.1	Minimum Safe Manning	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>
7.2	Class Certificate	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>
7.3	Class Survey Status	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>
7.4	Registry Certificate	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>
7.5	Ship Safety Management System Certificate	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>
7.6	Statement of Compliance with IMO	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>



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	Res MSC 235(82) or A.469(XII) Guidelines for the Design and Construction of Offshore Supply Vessels.				
7.7	Certificate of Fitness for the carriage of hazardous and noxious liquid Substance in Bulk issued under IMO Res. A. 673 (16) as Amended by IMO Res. MSC 236 (82).	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>		
7.8	Document of Compliance with special requirements for ships carrying dangerous goods under the provisions of Solas II-2 Reg. 19.	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>		
7.9	NOBLE DENTON Towing Vessel Approval Certificate.	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>		
7.10	Bollard Pull Test Certificate.	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>		
7.11	Radioactive Carrier Authorization.	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>		
7.12	Authorization for the carriage and accommodation of maximum 12 passengers <input type="checkbox"/> overnight and 42 passengers daily	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>		
7.13	Vessel brochure with General Arrangement and Capacity Plan <input type="checkbox"/>	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>		
8	Other Building Details				
8.1	Keel plate (mm)	14			
8.2	Bilge keel (mm)	450 x14			
9	Dynamic Position				
9.1	System	DP 2 Kongsberg			
10	VESSEL SPEED AND CONSUMPTION PERFORMANCE				
	TYPE OF FUEL USED	MDO			
		NO CARGO ON BOARD		FULL LADEN CONDITION	
	POWER SETTING	SPEED	CONSUMPTION Kg / Hours	SPEED	CONSUMPTION Kg / Hours
A	Economy speed	10	370 Kg/h	9.5	390 Kg/h



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B	Service speed	11.5	500 Kg/h	11,0	550 Kg/h
C	Full speed	12.5	650 Kg/h	12.0	750 Kg/h

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