



## SPECIFICATION AND DATA

MV "NSO Spirit"

UT 706 – design PSV

Version 14.10.2012

<b>REGISTRY INFORMATION</b>	
<i>Vessel Name</i>	<i>MV NSO Spirit</i>
<i>Vessel Call sign</i>	<i>C6ZH5</i>
<i>IMO No.</i>	<i>8111001</i>
<i>Ship Owner</i>	<i>Nor Spirit AS</i>
<i>Operator</i>	<i>COG Offshore AS</i>
<i>Port of registry</i>	<i>Nassau</i>
<i>Building year</i>	<i>1983</i>
<i>Yard</i>	<i>Molde Verft, Hjelseth (180)</i>
<i>Register</i>	<i>Bahamas</i>
<i>Flag</i>	<i>Bahamas</i>
<i>V-Sat</i>	<i>21549225</i>
<i>V-Sat</i>	<i>21549226</i>
<i>GSM Mobile</i>	<i>+47 47715735</i>
<i>E-Mail</i>	<i>spirit.bridge@cog.as</i>
<i>Number of crew:</i>	<i>12</i>
<i>Crew nationality</i>	<i>Ukrainian</i>

<b>CLASSIFICATION INFORMATION</b>	
<i>Classification society</i>	<i>Det Norske Veritas DNV</i>
<i>Type of vessel</i>	<i>Platform supply vessel PSV. Design UT 706</i>
<i>Class:</i>	<i>DNV +1A1, supply ship, EO, SF, FiFi 1, Oil Rec (ORO)</i>
<i>Planned Maintenance System</i>	<i>OCM Premas</i>

<b>VESSEL MEASUREMENTS</b>	
<i>Length overall</i>	<i>69,08 m</i>
<i>Length between PP:</i>	<i>63,61 m</i>
<i>Breadth, Molded</i>	<i>17,55 m</i>
<i>Depth, Molded</i>	<i>7,30 m</i>
<i>Draft, Summer</i>	<i>5,05 m</i>
<i>Freeboard, Summer</i>	<i>2,68 m</i>
<i>Draft, Minimum</i>	<i>3,70 m</i>

<b>TONNAGE</b>	
<i>Gross</i>	<i>2169 tons</i>
<i>Net</i>	<i>650 tons</i>
<i>Deadweight 3,5 M</i>	<i>1060 tons</i>
<i>Deadweight 4,5 M</i>	<i>2020 tons</i>
<i>Deadweight 5 M</i>	<i>2512 tons</i>
<i>Displacement</i>	<i>3576 tons</i>
<i>Light Ship</i>	<i>1460 tons</i>

<b>PROPULSION/POSITIONING</b>	
<i>Main engines</i>	<i>2 x 3060 BHP Bergen diesel, total 6,120 BHP(4500 KW)</i>
<i>Generators</i>	<i>2 x 1570 kVA (PTO shaft generators)</i>
<i>Generators</i>	<i>2 x 244 kW Cummins 440v/60 Hz</i>
<i>Generators</i>	<i>2 x 305 kW/Stamford 440/650 Hz</i>
<i>Harbour</i>	<i>1 x 20 kW 230 v/50 Hz</i>
<i>Propellers</i>	<i>2 x Controllable pitch, 2500 med mer. diamter</i>
<i>Rudders</i>	<i>2 x Spade</i>
<i>Thrusters</i>	<i>2 x 800 BHP Ulstein RR forward</i>
	<i>2 x 800 BHP, Ulstein RR aft</i>
<i>Joystick</i>	<i>RR Poscon</i>

<b>SPEED/CONSUMPTION</b>	
<i>Stand-by</i>	<i>4 ton</i>
<i>Service speed</i>	<i>10 knots = 10 ton</i>
<i>Full speed</i>	<i>14 knots = 22 ton</i>

<b>CARGO &amp; DISCHARGE CAPACITY</b>		
<i>Deck area total</i>	<i>630 m2</i>	<i>42 meters x 15 meters</i>
<i>Deck cargo capacity</i>	<i>2200 tones max</i>	
<i>Fuel Oil</i>	<i>914 m3</i>	
<i>Potable/drill Water</i>	<i>650 m3</i>	<i>(drill water 340 m3)</i>
<i>Brine</i>	<i>250 m3</i>	<i>S.G. 1.8</i>
<i>Mud</i>	<i>344 m3</i>	<i>S.G. 1.8</i>
<i>Base Oil</i>	<i>198 m3</i>	<i>S.G. 1.8</i>
<i>Ester</i>	<i>198 m3</i>	
<i>Oil Recovery</i>	<i>1040 m3</i>	
<i>Dry Bulk</i>	<i>378 m3 in 8 tanks</i>	
<i>Fuel Oil</i>	<i>0 - 250 m3 / hour at 9 bar Flow Meter with print-out facility</i>	
<i>Potable Water</i>	<i>0 - 250 m3 / hour at 9 bar</i>	
<i>Drill Water</i>	<i>2 x 170 m3 / hour at 6 bar</i>	
<i>Brine</i>	<i>1 x 100 m3 / hour at 9 bar</i>	
<i>Base Oil</i>	<i>1 x 160 m3 / hour at 9 bar</i>	
<i>Dry Bulk</i>	<i>2 x 20 m3 / hour at 80 psi</i>	
<i>Mud</i>	<i>2 x 50 m3 / hour at 9 bar</i>	

<b>CARGO TRANSFER CONNECTIONS</b>	
<i>Couplings, lines</i>	<i>Weco 4", Weco 5" and Avery Hardoll 4" – Several reducers available on board</i>

<b>STAND-BY/RESCUE-DECK CAPACITIES</b>

Fire monitors	2 x 1.500	m3/hours
Vertical length	70	m (min.)
Horizontal length	100	m (min.)
Deck timber shelter	5	tones/m2
Rails	2,6	meters high
Tugger winch	2 x 10	tones pull
Deck cranes	1 x 20	t/m Hydralift/Sealand (SWL 2,2 t at 9 m)
Windlass	1 x	Brattvaag anchor windlass
Anchors	2 x	Anchors plus 1 spare each of 2100 kg
Capstans	2 x	8,5 ton
FRC	2 x	Seabear 23' FRC's with 200 BHP/water jet
FRC launch and recovery	2 x	Vestdavit single point davits with chock absorbent
Sea Rescue	1 x	Rescue Scoop Crane operated
Rescue Areas	2 x	Rescue Zones Mid ship + 2 x Drop Zones forward and aft
Surface Surveillance	1 x	Sodena Surface Surveillance and reporting system

<b>ACCOMODATION</b>	
Total capacity	25 beds
Cabins	11 x 1 beds
	7 x 2 beds

Anti Rolling System	2 x Ulstein Anti rolling tanks
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<b>NAVIGATION EQUIPMENT</b>		
Radars	1 x Furuno FR2130	3 cm
	1 x Decca Bridgemaster	Arpa 10 cm
	1 x Decca Bridgemaster	Guard Zone 3 cm
Satellite Navigator	1 x Marconi Orcades-C (GPS)	
Echo Sounder	1 x Simrad EN	
Gyrocompass	1 x Robertson	
Autopilot	1 x Decca Pilot 450	
Direction finder	1 x Furuno FDA-1	

<b>COMMUNICATION EQUIPMENT</b>
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Radio Station	GMDSS – area A3 Raytheon Standard STR 2000 Radio, incl HF/MF/Inmar sat C
Telex	Inmar sat C and Radio HF/MF-telex/DSC
Telephone	British Voda phone analogue Mobile
VHF	2 x Raytheon STR 8500 with DSV
	2 x Sailor 2401
VHF Portable	3 x ICOM IC-M12
	3 x Jotron Tron VHF (GMDSS)
SART	2 X McMurdo RT9 Radar transponder 9 GHz
EPIRB	1 X Lo-Kata 4064 (TY) Cospas-Sarsat

OPTIONAL	
MCA/UK stand-by	To comply with 300 class stand-by including Treatment, Recovery- and 50 dedicated seating rooms and 2 x FRC's
FRDC	Can be upgraded with FRDC (-s) incl. heave compensated single davits
De Ice	Can be upgraded with NMD Deice
Sealift	Can be upgraded with Sealift System
1 <sup>st</sup> line Oil Rec	Can be upgraded with Single Boat oil Rec system

"Details believed to be correct, but without guarantee"