



GENERAL INFO	
Basic Function	Oil / Water Separation Barge, Pollution Control & Recovery Duties
Design	Macduff Ship Design Ltd.

MAIN PARTICULARS	
Length Over All (LOA)	46m
Breadth (B)	10.5m
Depth (D)	3.5m
Draught (Max)	2.87m
Speed	9.7 Knots
Accommodation	4 Persons

CLASSIFICATION	
Class Society	Bureau Veritas (BV)
Class Notation	BV I \otimes Hull \otimes Mach \otimes Oil Recovery Ship, Second- Line, Costal Area

TANK CAPACITIES	
Fuel Oil Tank	45.2 m ³
Fresh Water Tank	15.0 m ³
M/E Lube Oil	3.8 m ³
Ballast Tank	330 m ³
Propeller Oil	2.4 m ³
Dirty Oil	1.2 m ³
Hydraulic Oil	2.4 m ³
Cargo Tanks	560 m ³

DECK MACHINERY	
Deck Crane	Hydraulic Operated, 2,650 kg @ 7.9m, 260 bar
Anchor Windlass	Electrical 7.5 kW
Mooring Capstan	Electrical 5.5 kW
Anchor	2 x 585 kg HHP Pool Type
Chain	330m x 24mm Q2

ACCOMMODATION & NAVIGATION	
Accommodation	2 x 1-man Cabin (en-suite), 1 x 2-man Cabins 1 x WC & Shower Galley & Mess-Room
HVAC Units	Central air handling unit for single duct system. Cooling Capacity :2x27kW
Chairs (Helmsman)	1 x Helmsman 1 x Navigator
Search Light	1 x 2000 W
Navigation & Communication Equipment	1 x Radar 1 x GPS Navigator 1 x Gyro Compass 1 x Autopilot 1 x Magnetic Compass 1 x Echosounder 1 x Doppler log 1 x AIS 1 x Wind Speed 1 x Chart plotter 2 x VHF 1 x SSB 3 x Handheld VHF 1 x EPIRB 2 x SART 1 x NAVTEX 1 x BNWAS 1 x Talkback system 1 x VSP Telephone 1 x Fleet Broadband

FIRE & SAFETY	
Safety Equipment	2 x 6-man inflatable Life raft
Fixed Fire Fighting Equipment	CO ₂ - Fire Fighting System



MACHINERY	
Main Engines	2 x 339 kW, 1800Rpm
Shafting & Propeller	2 x Z Drive, Dia. 1100mm, Fixed Pitch
Generator	2 x 99 eKW, 440V, 60Hz
Cargo Pumps	4 x 30 m ³ /h, 4 bar, Electric Deepwell
Oily Water Separator	0.5m ³ /h
Cargo Oily Water Separators	2 x 25m ³ /h
Steam Generators	500 kg/h, 12 bar Steam Production, 349 kW, 38 lt Water Content, 8.8 m ² Heating Surface
Biological Sewage Plant	12 Persons, 960 lt/day Black Water & 1920 lt/day Wastewater
Alarm & Monitoring System	1 set
Tank Level Measurement	1 set
Air Compressor (Service Air)	7,5 bar, 410 lt/min + 200 lt Air Bottle
Tank Cleaning System	1 X High Pressure Cleaning Unit with Hot Water & Detergent Option
General Service & Bilge Pump	25 m ³ /h, 3 bar, Self-Priming
Ballast Pump	50 m ³ /h, 2 bar
General Service - Fire Pump	25 m ³ /h, 8 bar, Self-Priming
Fuel Transfer Pump	2 m ³ /h, 2 bar
Fuel Oil Service Pump	2 m ³ /h, 2 bar
Domestic Service Pump	2 x 1 m ³ /h, 4 bar ~200 lt pressure set
Hot Water Circ. Pump	4 m ³ /h – 1 bar
Dirty Oil Pump (Waste Oil Discharge Pump)	2 m ³ /h – 2 bar
Fire Pump	~25 m ³ /h, 8 bar
Air Conditioning Cooling Pump	25 m ³ /h – 2 bar
Sewage Discharge Pump	4 m ³ /h, 2 bar
Engine Room Ventilators	2 x Reversible
Cargo-Buer Pump	25 m ³ /h, 4 bar
Sludge Pump	1 m ³ /h – 4 bar
Tank Washing Pump	5 Bar – 5 m ³ /h- 1,5 kW

