

M/V Ocean Europe

SHIP DESIGN	Source vessel
CLASSIFICATION	Bureau Veritas (BV)
BUILDER	Havyard Solstrand AS, Norway, build no. 81
BUILT	2008
PORT OF REGISTRY	Nassau
FLAG	Bahamas
IMO NUMBER	9386550
CALL SIGN	C6ZI6

OWNER:	OCEAN EUROPE AS N-5384 TORANGSVÅG	MANAGER:	VESTLAND MANAGEMENT AS N-5384 TORANGSVÅG
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MAIN DIMENSIONS		CLASS NOTATIONS
Length O.A	66,4 M	I*HULL*MACH Supply vessel Unrestricted navigation *AUT-UMS, CLEANSHIP SUPER 7+,* DYNPOS-AM-R, SDS
Length P.P	55,75	
Breadth	13 M	
Draft	5,8 M	
Gross Tonnage	2206 GT	



OUTLINE SPECIFICATION

MACHINERY AND PROPELLER PLANTS

Main Engine:	2 x ABC 1766 kW Diesel, 8MDZC
Shaft Generators:	2 x 1200 kW
Aux Engine:	3 x CAT 3512B, 1360 kW
Emergency Aux Engine:	1 x Mitsubishi 6D16, 122 KW
Gearbox:	2 x Finnoy with CPP in nozzles
Rudder:	2 x Rolls Royce Marine, High Lift
Flap Steering gear:	2 x Rolls Royce Marine, split options
Bow Thruster:	2 x 590 KW Brunvoll FU63 LTC1550
Stern Thruster:	1 x 590 KW Brunvoll FU63 LTC1550
Main engine monitoring:	Hoglund Monitoring System
Compressors:	2 Sperre Start Air Compressors
Electrical Power:	Total 6.480 KW, 440 V 60Hz
Emergency generator:	1 x 110 KW MHI 6D16T-"Diesel Power AS"
Redundancy:	Triple Redundancy Modes, Hybrid PTO/PTI

Deck Machinery

Crane:	1 ABAS Odim Knuckle Boom 3t at 16 meter
Winches:	1 Cable Reel and 7 Gun Winches
Paravane:	Barovans over side and at stern
Hydraulic power pack:	2 x 300 L/Min

Navigation Equipment

AutoPilot:	Sperry Marine Navpilot400
GPS:	2 pcs. Marine MX420
Navigation system no. 1:	Sperry Marine, MX 420/8, MX 420/2, GPS 1,2
Radar no 1	Sperry Vision Master, ARPA 343
Radar no 2	Sperry Vision Master, ARPA 341
Gyro no 1	NavigatXMK10
Gyro no 2	NavigatXMK10
Gyro no 3	NavigatXMK10
EI.Chart	2 x FURUNO TECDIS, TELCO
DP system	Kongsberg SDP 21
C-Joy	Kongsberg with dedicated Software
Echo Sounder	Skipper GDS 101
Echo Sounder	Kongsberg EA 400 38/200 kHz Transducer
Navtex	Furuno NX-700
Primary transceiver	Sailor GMDSS Inmarsat
Secondary transceiver	Sailor 250W DSC
Speed log/Current meter	JRC JLN-652
AIS	Jotron Tron UAIS TR-2500
EPIRB	2 x Tron
SART	2 x Tron Sart

Seismic

On-line Navigation System:	Gator II modified for VSO
Primary Navigation:	Veripos Apex ²
GPS receiver:	Topcon
Secondary navigation:	C&C C-Nav 3050
GPS receiver:	CNAV
Gun array tracking:	Kongsberg Seatex rGPS and RADIUS 1000
Acoustic:	Almek RovNav5 Transducer

Energy source

Type:	G-Gun II dual source
Number of Sub. Arrays:	6 sub arrays in use + 1 rail for spare array
Configuration:	Single or Dual source, 100 m separation
Tow width:	Dual source 100m max COS
Firing control:	RTS Big Shot
QC:	Big Shot and Gator
NFH:	All positions
PT:	Pressure Transducer Last Position
Depth transducers:	3 per sub-array
Tow system:	Flexible float system with diverters
Compressor:	2 x Neuman Esser and 1 x Greenfield
Compressor capacity:	4700 cfm
Working Pressure:	2000 Psi
Power control:	Freq Drives with automatic RPM control

SPEED AND FUEL CONSUMPTION

Cruising Speed:	9,5 knots at 12 m ³ /24 h
Max speed:	12 knots at 17 m ³ /24 h
Shooting:	4,5 knots 11 m ³ /24 h
Range:	47 days at cruising speed
Endurance seismic days:	47 days in shooting mode

CAPACITIES

Fuel:	618 m ³
Drinking water:	292 m ³
Lube oil:	6,5 m ³
Sewage:	11,6 m ³
Gray Water:	52,3 m ³
Sludge oil:	12,5 m ³
Dirty oil:	4,4 m ³

Fresh water generator:	ENWA Reverse Osmosis Plant - 10m ³ p/day
Sewage treatment plant:	Jet Vacum DVZ SKA-30
Incinerator:	Teamtec OG 120C
Black water:	Jet Vacum DVZ SKA-30

LIFE SAVING EQUIPMENT

Safety manning level:	10
Rescue / FRC/MOB:	Weedo 700 FRB with Diesel Engine and Water Jet
Workboat:	Available 5 ton davit at stbd. side
Inflatable Life Rafts:	4x25 person Surviva MK3 + 1x6 persons DSB
Life Jackets:	97 pcs.
Life buoy:	8 pcs
Survival Suits:	40
Emergency radios:	Jotron Tron 40S
Emergency beacons:	2 x Jotron man overboard
Radar transponders:	Jotron Tron Sart
Fire detection system:	Vik Elektro Servomaster
Fire pumps:	2 Electric driven Mains, Diesel driven Emergency
CO2 systems:	Autronica Fire and Security AS
Portable foam extinguishers:	Yes

COMMUNICATION

Fixed satellite line (Fleet77):	+870 765 090 510
VSAT Number:	+47 236 75040 /1/2/3
Inmarsat C:	431 101 276 / 431 101 277
M/F and H/F:	Sailor HC 4500
VHF stationary:	Sailor RT 5022
VHF portable:	4 Motorola GP360 VHF
UHF portable:	4 Motorola GP360 UHF
Internal communication:	Vingtor VMP-430
Handheld GMDSS VHF Radio:	3 x Sperry Marine SP3520
Satellite-Inmarsat Type 'C':	2 pcs. Sailor TT3026M
Navtex:	Furuno Navtex NX-700
Telex:	Sailor HT 4520/D1 TPCH
Echoprobe:	Skipper GDS 101
Satellitecom. equipment:	Mini-M, Sailor fleet 77
Inmarsat:	InmarsatC
Vessel E-mail:	captain.europe@vestlandoffshore.no

ACCOMMODATION

Instrument Room:	yes, separate aircon with redundancy
Gun Shack:	yes, with aircon
Work Shop:	yes, with aircon
Seismi store:	yes
Mess:	20 persons
Day room:	yes
Gymnasium:	yes
Air condition:	Techno Term HVAC system
Cabins:	21 Cabins and 40 Bunks