

M/V OCEAN PEARL

SHIP DESIGN	Seismic research vessel
CLASSIFICATION	DNVGL
BUILDER	Gemyat A.S., Tuzla, Turkey 1997
IMO NUMBER	9125140
PORT OF REGISTRY	Nassau
FLAG	Bahamas
DELIVERY/FULL CONVERSION	2001: Converted to Cable layer, Croatia 2006: Converted to bottom seismic vessel at Maritime GMC A/S, Stavanger, Norway.
CALL SIGN	C6ZW4

OWNER:	Ocean Pearl KS, N-5384 Torangsvåg, Norway	MANAGER:	Vestland Management AS, N-5384 Torangsvåg, Norway
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MAIN DIMENSIONS		CLASS NOTATIONS
Length O.A	108,60 m	DNV, 1A1 HELDK DYNPOS- DPS2
Length P.P	94.42m	
Breadth	18,00 m	
Draft	6.30 m	
Gross Tonnage	7828GT	



OUTLINE SPECIFICATION

MACHINERY AND PROPELLER PLANTS

Main propulsion system	Diesel Electric—Double Stern Aquamaster Azimuth, FPP 2 x Aquamaster US 2001, 1600 KW, 0-1200 rpm,
Diesel Engines:	2x Stork –Wartsila 6GL28 , 1800 KW, 900 rpm 2x Wartsila Vasa 6R32, 2430 KW, 720rpm
Forward Tunnel Thrusters	3 x Ulstein (Rolls Royce) 375 TV, 1275 KW, CPP
Emergency Generator	Cummins 6BT 5.9G, 87 KW
Seismic compressors	2 x LMF type 138/62, 62m3/min (2200 cfm) frequency converter controlled

Deck Machinery

Deck Crane:	2x ABAS Knuckle Boom 4t at 16 meter
Deck Crane:	1x Palfinger Marine PS 22000m/10 S2.5SWL2t

Navigation Equipment

AutoPilot:	“SIMRAD AP9 MK3”
DGPS:	“MX MARINE 420”; FUGRO SEA STAR 9205 GNSS; C-NAV 3050
Radars:	FAR – 2117 BB FAR – 2137S BB:
Gyro:	2 x “ SG Brown TS” 1 x “Alphatron-Alphaminicourse”:
Magnetic Compass	“PLATH”
El.Chart	“TelChart ECS” – C-Map database
DP system	DP2 MT Bridge Mate, installed 2013
Navigation Echo Sounder:	“STN ATLAS”
GMDSS	SAILOR A1, A2, A3
Simplified VDR	“DANALEC MARINE”
AIS	“JOTRON”
Speed Log	“BEN MARINE- ANTHEA”
Fac-Simile	” ICS Electronics”
ECDIS	TECDIS
DP System	Marine Technologies LLC Bridge Mate DP2 System
Gyrocompass with Repeaters	2 x “ SG Brown TS”, 1 x “Alphatron-Alphaminicourse”

Seismic Equipment

Manufacturer:	FairfieldNodal
Node Type:	Z700®
Depth:	0-700 meters
Maximum On-board Node Capacity:	5,226
Charging Capacity:	630 units (concurrently)
Deployment/Retrieval Method:	Customized Synthetic Rope (configurable in 25m intervals)
On-line Navigation System:	
Primary Navigation:	RHEL 7.2, GATOR 1.7.12, SP8
GPS receiver:	Veripos LD6 w/Ultra2 Corrections
Secondary navigation:	C-NavigatorIII
GPS receiver:	C-Nav 305000000 Sstarfire w/SF2 Corr
Gun array tracking:	N/A
Acoustic:	Sonardyne Ranger Pro v2.02

Energy source

Compressors:	2x LMF62/138-207 E60
Drive Engine:	El. Motor ABB AMA 450L6L BAFTMH
Cubic ft. per minute:	2,200 cfm
Total Volume per Source:	TBD
Source Controller:	TBD

SPEED AND FUEL CONSUMPTION

Cruising Speed:	11knots
Max speed:	12.5 knots
Service speed:	10 knots
Range:	140 days at economic speed
Endurance seismic days:	140 days in shooting mode

CAPACITIES

Fuel:	1671 M3
Fresh water:	610 M3
Lube oil:	32.0 M3
Sewage:	27.0M3
Sludge oil:	15.2M3
Fresh water generator:	1 x Alfa Laval evaporator: 15 m3 1 x ENWA Inverse Osmosis: 25 m3
Sewage treatment plant:	Aquamar GmbH, Bio-Unit model MSP 60 10.5 m3/Day
Incinerator:	Saniterm SH 20-SR,400000Kcal/h

LIFE SAVING EQUIPMENT

Life Boat:	2x 65 persons—Greiben
Life Rafts:	2x 25, 4x 20, 1x 6—Viking
Rescue Boat:	FRC—Norsafe 655M
Fire Suits (BA-sets):	6x Drager PA91 Plus
Air Compressor:	1x Bauer U II W
Smoke Hoods:	48 x HKMASK
Line Thrower:	3x Comet, 1x Ikaros
Survival Suits:	69x Helly Hansen
Life Vests:	130
Life Rings:	10
Work Floating Vest:	13x Hally Hansen, 14x Crewsaver
Gas Monitor:	2x portable sets-Drager
Medical Equipment:	ALS Medical Kit, 2 spine boards, traction splint, KED/Stokes Basket
Resuscitators:	1x Heart-Start AED, 1x Heart-Start Cardiac Monitor with AED
Galley System:	1x CO2 HP System
Emergency Fire Pump:	1x 70 m3/h
Fire Extinguisher:	137/ CO2, Powder/Foam
CO2 System:	1x Fixed ER 38 cyl x 45 kg 1x Fixed Galley 1 x 9 kg

COMMUNICATION

Fixedsatellite line (Fleet77):	
VSAT Number:	Sealink SCPC/Vados
Inmarsat C:	Sailor – H23095 C
Emergency Radios:	3x VHF ICOM GM 1600E
Life Boat Radios:	3x Portable VHF
M/F and H/F:	Sailor – TT – 6301A
VHF stationary:	Sailor – RT 4822
VHF portable:	Sailor C4901
UHF portable:	Motorola – GP340; GP360
Internal communication:	1 Automatic Telephone System “VINGTOR” 1 Amplified Battery less Telephone System “STENTO” 1 Public Address System “STENTO AS
Handheld GMDSS VHF Radio:	Sailor C4901
Satellite–Inmarsat Type ‘C’:	Sailor – H23095 C
Navtex:	ICS, Nav5
Telex:	Sailor C4901
Echoprobe:	STN ATLAS
Satellitecom. equipment:	Sealink SCPC
Inmarsat:	Sailor – H23095 C
Maximumcapacity (personnel):	65 persons
Vessel E-mail:	master.pearl@vestlandoffshore.no

ACCOMMODATION

Accommodation:	65 persons
1M Cabins	13x 1M Cabins with Bathrooms
2M Cabins	26x2M Cabines with Bathrooms
Mess:	30 person
Day room:	3xcomfortable outfitted on Deck No6
Exercise room:	1 x fully equipped GYM on Deck No2
Office	3 x Client offices on Deck No6
Conference Room	1 x Equiped for 10 person on Deck No6