

M/V Oceanic Champion



SHIP DESIGN:	Vik & Sandvik
SHIP TYPE:	Seismic Source Vessel
SHIP NAME:	Oceanic Champion
CLASSIFICATION:	DNV GL
BUILDER:	Th. Hellesøy Skipsbyggeri (Hull number: 127)
HULL CONSTRUCTED:	1994
MAJOR CONVERSION:	2007 Fitjar Yard Norway 2012 Baatbygg Norway
PORT OF REGISTRY:	Bergen
FLAG:	NIS
IMO-NUMBER:	9085211
CALL SIGN:	LAJQ6

CLASS NOTATIONS

*1A1 HELDK RP

MAIN DIMENSION

Length O.A:	106,92 M
Length P.P:	97,3 M
Beam:	22,40 M
Gross Tonnage:	9,405 GT
Draft:	6,68 M

OWNER:

Oceanic Champion AS

MANAGER:

Vestland Management AS
N-5384 Torangsvåg, Norway

Vessel specification is subject to change and to be confirmed at the time of hire.

OUTLINE SPECIFICATIONS

PROPULSION SYSTEM

Main Engines:	2 x Rolls Royce Bergen Diesel, B32 40L9PF-2 CD, 2 x 4500kW
Aux Engines:	1 x Wärtsila VASA 6R32E KW, 2340 kW 2 x Wärtsila NOHAB 8V25 KW, 2x 1840
Bow Thruster:	Azimuth Thruster – Brunvoll 800 kW
Tun Thruster:	Brunvoll 745 kW
Propellers:	2 x Kamewa CP-AI, Dual propulsion with alternative hybrid mode by electric drives as alternative propulsion, or as Boost.

CAPACITIES

Fuel capacity	3494 m3 at 100% topped up
FW Maker Prod.	Alfa Laval EVA and ENVA Reverse Osmosis.
Water capacity	290 tons (Water consumption 15m ³ /day)
Sewage:	Treatment Plant DVZ-SKA-50 "Biomaster"
Incinerator:	Team tech OGS 200 C

DECK EQUIPMENT & HELIDECK

Deck Cranes:	1 x SWL 10t 16m, 1 x SWL 10t 13m, 1 x SWL 3.5 t 16m
Helideck:	Cap 437, BSL D 5-1, HCA Weight: Sicorsky 12.8 tons Dimensions: 22m
Helicopter Homing Beacon:	TS1 B Radio Holland
Weather Monitoring:	HMS Shore Connection (Helicopter station)

SPEED & FUEL CONSUMPTION (Estimated)

Max Speed:	16,5 knots
Economic Speed:	11,2 knots
Cruising Speed:	13,5 knots
Dual Source 4,5 knots:	11 – 14 tons per 24h
Single Source:	8,5 – 11 tons per 24h
Transit economy speed:	20 tons per 24h
Fuel capacity:	3494 cu.m at 100% filling

SEISMIC COMPRESSORS

Seismic Compr.	3 x NEA 57 1100KW, 2000 cfm 2000psi
Capacity per unit/Delivery Rate:	2,000 cfm
Source operating pressure:	2000psi

NAVIGATION

GPS receiver:	GPS Furuno & DGPS
Radars:	Furuno FAR2137S (3cm) Furuno FAR2117S (10cm)
Gyro-Compass:	Simrad GC80 x 2, SG Brown Meridian Surveyor, Kongsberg Seatex Seapath 200
Auto Pilot System:	Robertson AP9 MK II Autopilot Kongsberg C-Joy OT
ECDIS:	Furuno Telchart full ECDIS
Echo Sounder:	Furuno Navigational FE-700 0-800m. Simrad EA 600 seismic 12, 38, 200kHz. 0 - 15000m
Current Meter:	Nortek ADP 1MHz
Speed of Log/- Doppler:	Sonar Furuno Doppler speed log DS-80 or FE-700

CRAFTS

Mob:	Springer Maritime Partner MP-800 Location: / launching method: Port Side Expected response time: 3-5 mins Maximum speed: 35 knots
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Work Boat:	Jemar 30ft Size / capacity: 30 feet Location: / launching method: Stbd Side Davit Maximum speed: 23 knots
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Life-boats:	2 x Schat harding / 60 persons each
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ACCOMMODATION

Accommodation	50 cabins, 60 Berths
Common areas	2 x Lounges
Mess Room	36 seats
Offices	5
Gym:	with Shower, Sauna and Change Room
Conference	3 including Heli Lounge

COMMUNICATION

SSB make / model:	Furuno FS-2570
VHF/UHF Fixed:	Furuno VHF FM-8500 x 2 Furuno VHF FM-8000 x 1 Furuno VHF FM-7000 x 1 Motorola UHF x 2 (1 x instr. room) Sailor VHF RT 2048 (instr. room) Full compliance
VHF frequencies:	Jotron Tron 40s and Jotron tron 40sx
EPIRB:	Nera Fleet 77 Inm B, + 870 7646 83283
Marisat:	VSAT Seatel Model 9707-70
Vsat / Norsat:	
Flow Rate of the Satellite Data Link:	256 k Bits / second
Telephone:	+47 5140 65 80

INTEGRATED NAVIGATION SYSTEM

Integrated navigation	Consept Gator
DGPS	Fugro Starfix
RGPS	Kongsberg Seatrack 220 and 330

ENERGY SOURCE

Type:	G-Gun II Sercel
Maximum No. of sub-arrays:	6
Max volume per sub-array:	Client configurable (Typical: 1040, 1470)
Typical volume per source:	Standard 4480 cuin, 3260 cuin and 2240 cuin, configurable
Chambers (Size of guns): Gun positions	50-380 cu in 6 or 7 Typically
No. dep transd/sens.in array:	AGH-33M3; In current configuration, 1 per gun position
No air pres. transd in array:	AGH-33M4
No. of Near field hydrophones at each gun or cluster:	AGH-7001C, 1 per gun or gun cluster
No. of Devices for Source	Seismeq mini deflectors

Source support system (i.e. floats):	18" FTF (Sausage float)
Source length x width of propos array:	Client configurable

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Minimum offset from vessel stern: Not applicable
 Maximum offset from vessel stern: 500m
 Deflector: Seismeq mini deflector

GUN CONTROLLER:

Gun Control: **Gunlink 4000**
 Manufacturer: **Seamap**
 NFH recording: Seamap Gunlink, SEG D
 Controller type: In sea & onboard electronic
 No of Channels: 96 Guns

Timing resolution (also called Source controller timing accuracy OR Sensor & Fire Command Resolution): 0.1ms ie 100 uS

Tuning Contract of Guns (also called Gun Timing Specification OR Gun Synchronisation): +/- 1.5 ms typically

Time/Firing Delay (milliseconds) 50 msec prior to Time 0

Start of Record to Source Detonation:

Max. Recording Recycle Time: 0 sec
 Fire time pick method: Zero crossing, level detect, peak detect

Display: Status, Gun Sensor, NearField, Timing

Output: Gun Status, Errors, Alarms, Statistics

Auto-fire Detection: Threshold method

Depth and pressure sensors: Yes

Navigation interface: GCS90 standard

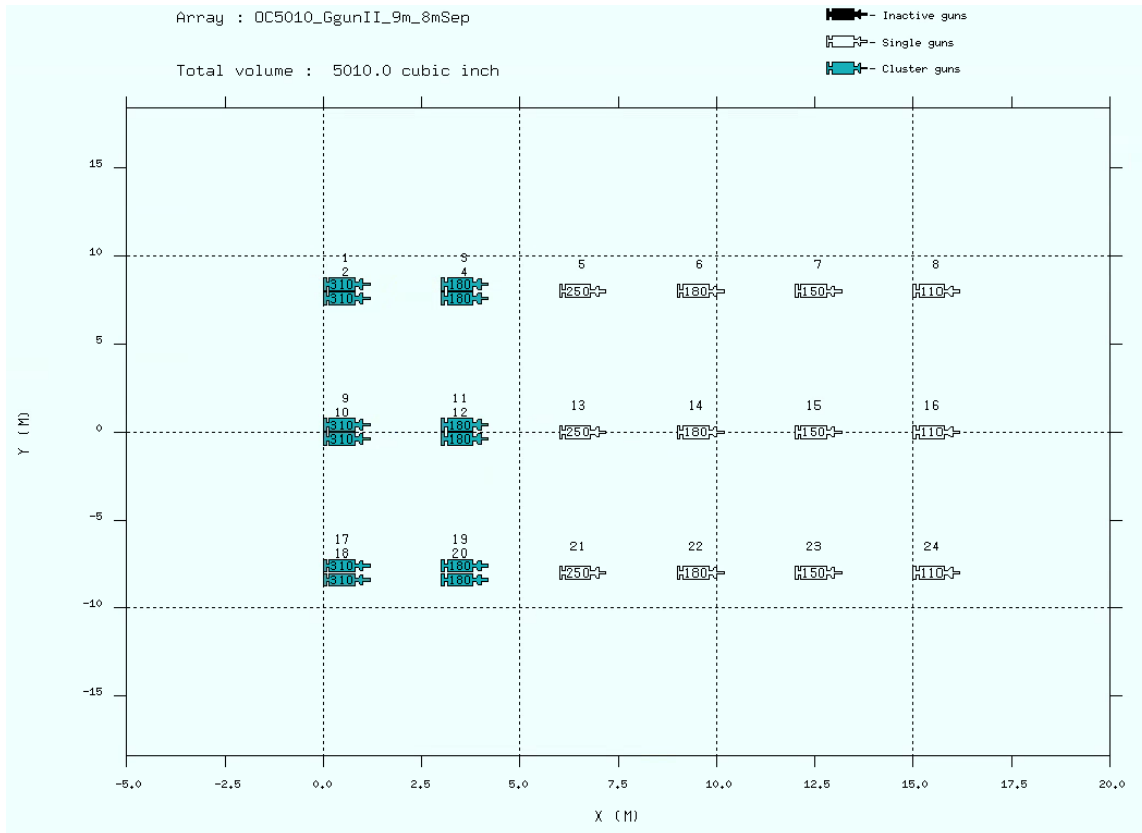
MOB interface: Yes

Operating system: Linux w/RT extension

User Interface: Graphical

Self-diagnosis: Yes

Source Configuration 6 strings (example), we have capacity to go with 7 gun positions and up to 84 active guns.



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