VESSEL M/V OCEAN EUROPE

Source vessel curently working in Brazil as part of the RXT5 crew.

Reservoir Exploration Technology ASA (RXT) is the only marine geophysical company specializing in multi-component seafloor seismic data acquisition. Seafloor seismic data comprises two categories – two component (2C) which is primarily used for appraisal and development where oil companies need higher quality data to optimise reservoir recovery and four component (4C) which is able to solve geophysical imaging challenges that cannot be addressed using conventional towed streamer technology. Other application areas include 4D or timelapse solutions where towed streamers are impractical due to high density of platforms, full azimuth seismic data, and shallow water areas. The Company has offices in Abu Dhabi, Azerbaijan, Houston, London, Moscow and Rio de Janeiro and has its headquarters in Oslo, Norway. RXT is listed on Oslo Stock Exchange(OSE ticker: RXT)

Name:	M/V OCEAN EUROPE
Hull:	Solstrand 81
Type:	Seismic Research
Port of Registration:	Bergen
Flag:	Norwegian International Register (NIS)
Class:	Bureu Veritas (BV)
Operation management:	Vestland Offshore
Class Register. No.:	10028C

Call Sign:	LAGB 7
IMO no.:	9386550
Year Built/Rebuilt:	New 2008, converted to Seismic 2008

Dimension

Length overall:	65,2 m
Breadth:	13,0 m
Draft:	5,8 m

Seismic

NAVIGATION EQUIPMENT

On-line Navigation System:	Gator CSL
Primary Navigation:	Veripos Ultra
GPS receiver:	Topcon
Secondary navigation:	C&C C-Nav 2000
GPS receiver:	CNAV
Gun array tracking:	Kongsberg Seatex rGPS and RADius 1000
Acoustic:	ROV Nav 5, Sonardyne

ENERGY SOURCE

Type:	G-guns; 3990 cu.in
Number of Sub. Arrays:	6 sub arrays in use + 1 spare
Configuration:	Single or dual source
Tow width:	Dual source 100m max COS
Firing control:	RTS Big Shot
QC:	Big Shot and Gator
Depth transducers:	2 per sub-array
Tow system:	Flexible float system with diverters
Compressor:	2 x Neuman Esser and 1 x Greenfield
Compressor capacity:	4700 cfm
Pressure:	Appr 174 bar working pressure

The future is on the seafloor

RESERVOIR EXPLORATION TECHNOLOGY

General

DWT/LT:	1400 Tons before seismic conversion
Gross Tonnage:	1826 Tons before seismic conversion
Net Tons:	547 Tons before seismic conversion
Cruising Speed:	12 knots
Endurance seismic days max. load:	50 days in shooting modus
Range:	55 days at economic speed
Main Engine:	2 x ABC 8 cylinders diesel engines
BHP Main Engines:	2 x 2400 HP
Gearbox:	2 x Finnøy with CPP in nozzles
Rudder:	2 x Rolls Royce Marine Flap
Steering gear:	2 x Rolls Royce Marine
Bow Thruster:	2 x 580 KW Brunvoll FU63 LTC1550
Stern Thruster:	1 x 580 KW Brunvoll FU63 LTC1550
Main engine monitoring:	Høglund Monitoring System
Compressors:	2 Sperre Start Air Compressors
Electrical Power:	Total 6.390 KW, 440 V 60Hz
Emergency generator:	1 x 110 KW Mitsubishi 6D 16T
Clean power:	UPS for Bridge Navigation and DP Systems
Fuel capacity:	600 Cub Meters
Fresh water capacity:	344 Cub Meters
Production capacity (drinking water):	18 Cub meters/day
Fresh water generator:	ENWA Reverse Osmosis Plant
Sewage treatment plant:	Jet Vacum DVZ SKA-30
Incinerator:	Teamtec OF 120C
Black water:	Jet Vacum DVZ SKA-30
Bilge water:	13.54 Mt
Sludge:	11.27 Mt
Grey water:	52.3 Mt
Lub oil:	5.8 Mt
Dirty oil:	3.73 Mt

Deck Machinery

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

Accommodation:

Instrument Room:	yes
Galley store:	yes
Mess:	18 persons
Day room:	yes
Exercise room:	yes
Air condition:	Techno Term HVAC system
Helicopter landing zone:	NA
Officers/Crew:	19 Cabins and 32 Bunks
Classifications:	Bureu Veritas

VESSEL NAVIGATION AIDS

Auto Pilot:	Sperry Marine Navpilot 400
GPS:	2pcs. 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:	Navigat X MK 10
Gyro no. 2:	Navigat X MK 10
Gyro no. 3:	Navigat X MK 10
Navigation Echo Sounder:	Skipper GDS 101
Navtex:	Furuno NX700
Weather fax:	Furuno FAX30
Primary tranceiver:	Sailor GMDSS Inmarsat
Secondary tranceiver:	Sailor 250W DSC

VESSEL COMMUNICATION

Fixed satellite line:	Satcom C No: 425 978 010 / 011 VSAT SATCO
Inmarsat:	Sat C
M/F and H/F:	Sailor HC 4500
VHF stationary:	sailor simplex/semi duplex class A DSC
VHF portable:	4 Motorola GP360 VHF
UHF portable:	4 Motorola GP360 UHF
Internal communication:	Vingtor VMP-430
VHF Radio – GMDSS, Type 1:	Sperry Marine SP3300
VHF Radio – GMDSS, Type 2:	Sperry Marine SP3300
Satellite – Inmarisat Type 'C':	2 pcs. Sailor TT3026M
Fax machine (Navtex):	Furuno Navtex with antenna
Telex:	Sailor HT 4520/D1 TPCH
Echo probe:	Skipper GDS 101
Speed log:	Sperry Naviknot III, Model FNF
Sextant:	Provided
Satellite communication equipment:	Mini-M, Sailor fleet 77
Inmarsat:	Inmarsat C
Maximum capacity (personell):	25

VESSEL SAFETY

Safety manning level:	Normal will be 12
Covered Lifeboat:	N/A
Rescue / FRC/MOB:	Weedo 700 with Diesel Engine and Water Jet
Workboat :	5 ton available davit at stb side
Inflatable Life Rafts:	4 X 25 person Surviva MK3
Man overboard liferaft:	Not fitted
Life Jackets:	72 pcs.
Life buoy:	8 pcs
Survival Suits:	23
Emergency radios:	Jotron Tron 40S
Emergency beacons:	2 x Jotron man overboard beacons on bridge
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
Lg. Portable foam extinguishers:	Yes
Salvage Boat:	Weedo 700 with Diesel Engine and Water Jet

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