



VESSEL M/V SANCO SPIRIT



Source vessel, delivered Q3 2009, and is part of a multi vessel operations for RXT4 in the North Sea.

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 SANCO SPIRIT
Hull:	MM86
Type:	Seismic research
Owner:	Sanco Holding AS
Operator:	Sanco shipping AS
Port of Registration:	Gibraltar
Flag:	Gibraltar
Class:	DNV + 1A1, ICE-C, E0,RP, DYNPOS, AUTR, HELIDECK-SH

Call sign:	ZDJN 3
IMO no.:	9429935
Year built:	2009
Dimension	
Length overall:	86,5 m
Breadth:	16,0 m
Draft:	5,80 m

Seismic

NAVIGATION EQUIPMENT	
On-line navigation system:	Gator CSL
Primary navigation:	Veripos Ultra
GPS receiver:	AD410 Antenna
Secondary navigation:	DPS200 (as part of K-POS DP21 system)
GPS receiver:	Kongsberg GPS/GNSS antenna
Gun array tracking:	Seatrack 320 pods combined with seatex RADIUS 610S pods
Acoustic:	Sonardyne Fusion USBL system
Navigation processing:	SLIP-source line - Rap-receiver line
Binning:	GEDGO OMNI Workshop v08
ENERGY SOURCE	
Type:	G-guns; 3990 cu.in
Number of sub-arrays:	6
Configuration:	Dual array, 3 strings per array
Tow width:	25-100 meters centre source
Firing control:	RTS Big Shot
QC:	Big Shot and Gator
Depth transducers:	2 per sub-array
Compressor:	2 x NEA
Compressor capacity:	2 x 2200 SCFM
Pressure:	Up to 2500 PSI

The future is on the seafloor

RESERVOIR EXPLORATION TECHNOLOGY

General

DWT/LT:	2150 Tons before seismic conversion
Gross tonnage:	3953 Tons before seismic conversion
Net tons:	1186 Tons before seismic conversion
Cruising speed:	12 knots
Max speed:	15,5 knots
Range:	40 days at full speed
BHP main engines:	4 x 1600 kW ABC 8 DZC
Gearbox:	Finnøy G70FH
Propulsion:	2 x4 bladed Finnøy P85.30.310.4D, Ø=3100
Rudder:	2 x Rolls Royce High lift
Steering gear:	2 x Rolls Royce
Azimuth thruster:	Brunvoll 1 x 700 kW
Bow thruster:	Brunvoll 1 x 700 kW
Stern thruster:	Brunvoll 1 x 700 kW
Main engine monitoring	Bjørge Steinco Moland
Compressors:	2 x Neumann esser 2200 cmf each
Electrical power:	690 V, 440 V, 230 V all 60 Hz emergency generator:
	335 kW
Fuel capacity:	1100 m3
Fuel consumption:	Max output 24 m3/24 hours
Fresh water capacity:	111 m3
Production capacity (drinking water):	12 T
Fresh water generator:	Osmose 25 m3/24 hours
Sewage treatment plant:	Jets
Helideck, D-value 20 meter:	11 T
Incinerator:	Teamtec OG 400 C
Black water:	Yes
Bilge water:	Yes
Sludge:	Yes
Grey water:	Yes
Lub oil:	Yes
Dirty oil:	Yes
Stabilising system:	2 x passive stabilizing tank system
Deck Machinery	
Crane:	Triplex
Winch:	Rapp
Hydraulic power pack:	Karm
Accommodation:	
Instrument Room:	yes
Galley store:	yes
Mess:	35 persons
Exercise room:	yes
Air condition:	Chilled water
Officers/Crew:	15 persons
Cabin:	13 x1 bed with bathroom
Cabin:	17 x2 bed with bathroom
Hospital:	with bathroom
Dayroom:	3
Conference room:	1 + internet café

VESSEL NAVIGATION AIDS

Auto Pilot:	Kongsberg DP 21
GPS:	2 x Furuno GP-150
Navigation syst. no 1:	Sperry Marine MX 420/8, MX 420/2, GPS 1,2
Radar no. 1:	1 Furuno 2137 S
Radar no. 2:	1 Furuno 2117
Gyro no. 1:	1 Simrad GC 80
Gyro no. 2:	2 Simrad GC-80
Speedlog:	Furuno DS-80
VHF direction finder:	NIL
Wind sensor:	Kongsberg
Navigation echo sounder:	Furuno FE 700
Electronic chart:	Telchart 2026
Navtex:	Furuno NX-700B
Weather fax:	Furuno Fax 30

VESSEL COMMUNICATION

Fixed satellite line:	VSAT
Communication:	Mini M
Inmarsat:	Sailor H2095C
M/F and H/F:	Sailor 4000
VHF stationary:	Sailor RT 2048
VHF portable:	4 Motorola GP340
UHF portable:	4 Motorola GP340
Watch keeper:	NIL
Internal communication:	Ulstein Communication

VESSEL SAFETY

Safety manning level:	10 persons
Covered lifeboat:	NIL
Rescue / FRC/MOB:	750 magnum LC
Workboat :	NIL
Mob-boat:	Norsafe 750 Magnum LC
Inflatable life rafts:	6 X 25 persons
Man overboard liferaft:	NIL
Life jackets:	48 pcs
Life rings:	10 pcs
Survival suits:	47 pcs
Emergency radios:	Sailor
Emergency beacons:	Sailor
Radar transponders:	Sailor SART
Fire detection system:	Tyco (Minerva)
Fire pumps:	2 PCS Allweiler
Fire suits:	2 sets
CO2 system:	Yes
Foam deluge systems:	Yes