



VESSEL M/V SANCO STAR



Cable/buoy/handling vessel currently working offshore Brazil as the master vessel 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 SANCO STAR
Hull:	MM 80
Owner:	Sanco Holding AS
Operator:	Sanco Shipping AS
Type:	Seismic vessel
Port of Registration:	Gibraltar
Flag:	Gibraltar
Class:	DNV + 1A1, ICE-C, E0, DYNPOS AUTR, RP, HELIDECK SH,

Class Register. No.:	DNV No 27493
IMO no.:	9410313
MMSI:	236483000
Call sign:	DNV NO 27493
Year Built/Rebuilt:	2008
Dimension	
Length overall:	80m
Breadth:	16m
Draft:	5.61m

Seismic

SEISMIC RECORDING SYSTEM	
Type:	Ion Geophysical (VSO) cable
Number of Channels:	240 stations each cable; 1920 channels
Sample Rate:	1,2 and 4 ms
Low Cut:	3 Hz and 1 to 90 Hz
High Cut:	350, 175 and 87,5 respectively
Recording Format:	Seismic Unix to disk – to SEG Y via transcriber
Recording Medium:	Hard disk – transcribed to IBM 3592
QC System:	VSO by radio
On-line Display:	Sony 20"
Number of Channels:	240 stations each cable; 1920 channels

VECTORSEIS OCEAN (VSO) CABLE	
Number of Cables:	9
Type:	Ion Geophysical VSO cable
Max. length:	6000 meter
Available Station interval:	25 m
Groups pr. Section:	1
Hydrophone type:	Hightech
No. of Hydrophones/ Group:	1
Hydrophone sensitivity:	0,39 and 22 V/Bar
Hydrophone:	Pascal or pascal/sec
Accelerometers sensitivity:	40 ng/bit
Accelerometers:	gals
Acoustic positioning:	Sonardyne OBC 12 and Fusion 8035 Transponders
Transponder spacing:	300m

NAVIGATION EQUIPMENT	
On-line Navigation	
System:	Gator CSL
Primary Navigation:	Fugro Survey AS, Skyfix.XP
GPS receiver:	Ashtech ZX
Secondary navigation:	Fugro AS, Starfix.L1
GPS receiver:	Ashtech ZX
Gun array tracking:	Seatrack 320 pods, Starfix
RGPS software	
Acoustic:	Sonardyne RN5
Navigation Processing:	SLiP- source line processing, Rap21 - receivers
Binning:	GEDGO OMNI Workshop v6
Echosounder:	Simrad ES60
Echosounder transducer:	200 kHz
SVP probe:	Valeport
Water level recorder:	Valeport 740 tide gauge with radio transmission

The future is on the seafloor

RESERVOIR EXPLORATION TECHNOLOGY

General

Cruising Speed:	15 knots
Operation Range:	40 days at full load
Endurance seismic days max. load:	Approx 60 days
BHP Main Engines:	3 X 1600 kW ABC 8 DZC
Gearbox:	Finnøy G70FH
Propulsion:	2 x 4 bladed Finnøy P85.30.310.4D, Ø=3100
Rudder:	2 x Rolls Royce high lift
Steering gear:	2 x Rolls Royce
Azimuth Thrusters:	Brunvoll 1 x 700 kW in the bow
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 cfm each
Emergency generator:	Scana 410 kW
Fuel capacity:	1000 m3
Fuel consumption:	Max output 24 m3/24 hours
Fresh water capacity:	150 m3
Fresh water consumption:	12 tonn
Fresh water generator:	Osmose 25 m3 / 24 hours
Sewage treatment plant:	Jets
Incinerator:	Team Tec OG 400 C
Black water:	Yes
Grey water:	Yes
Bilge water:	Yes
Sludge:	Yes
Waste water:	Yes
Lube oil:	Yes
Dirty oil:	Yes
Stabilising system:	2 x passive stabilizing tank system
Crane:	Triplex
Winches:	Rapp
Hydraulic power pack:	Karm
Accommodation:	39 persons
Instrument Room:	Yes
Galley store:	Yes
Mess:	Seating capacity 35 persons
Exercise room:	Yes
Air condition:	Chilled water
Marine Officers/ Crew:	12 – 15 persons

VESSEL NAVIGATION AIDS	
Dynamic positioning system:	Kongsberg DP 21
Differential GPS:	Seapat
Radar no.:	1 Furuno 2137 S
Radar no.:	2 Furuno 2117
Gyro no.:	1 Simrad GC 80
Gyro no.:	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 CapRock communication
Inmarsat:	Sailor H2095C
M/F and H/F:	Sailor 4000
VHF stationary:	Sailor RT 2048
VHF portable:	Motorola GP 340
UHF portable:	Motorola GP 340
Watch keeper:	NIL
Internal communication:	Ulstein Com
VESSEL SAFETY	
Safety manning level:	10 persons
Covered Lifeboat:	NIL
Rescue / FRC:	Springer 740
Workboat/ MOB boat:	NIL
Inflatable Life Rafts:	6 x 25 persons
Man overboard liferaft:	NIL
Survival Suits:	45 persons
Life Jackets:	45 persons
Life rings:	10
Smoke hoods:	43 persons
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 systems:	Yes
Foam deluge systems:	Yes