



**Geophysical Service Incorporated
Marine Seismic Survey Vessel: M/V GSI Admiral**



VESSEL SPECIFICATIONS

Name:	GSI Admiral	Classification:	DNV + 1A1 Heldk
Owner:	Geophysical Service Incorporated	Registration Number:	823 287
Port of Reg:	Halifax, N.S. Canada	IMP No:	7384314
Flag:	Canadian	Call Sign:	VOCC
Year-BUILDER:	1976- Stocznia Im Kmuny Paryskiej	V-sat Phone:	011-874-331-600-337
Major Conversion:	1998- Cammell Laird, Chesire England	V-sat Fax:	011-874-331-600-339

MAIN CHARACTERISTICS

Length, Beam, Draft:	89.6 m x 19.00 m x 5.85 m	SSB Radio:	Mousson-2 250W
Gross Tonnage:	3545GRT	VHFRadios:	SperryRY6102x3
Main Engines:	Zgoda SulzerZ140/80	MF/HF DSC Wtchkpr:	Sperry RM2150
Propeller:	Kamewa Contr. Pitch, 4 blds	Satellite C:	Sperry H2095B
Additional Propulsion:	Azimuth Thruster Type UL 200 /6100 Kamewa Power 149 1kw	Radars:	Decca BridgematerArpa BM343/12 & 252/6
Cruising Speed:	13 Knots	Auto Pilot:	Robertson AP9 MK3
Fresh Water Capacity:	1,400 cubic meters	Magnetic Compass:	J.R. Krohn 79047
Water Making Capacity:	24 tonnes daily, Rochem Reverse Osmosis Plant	Gyro Compasses 1&2:	Anshutz & Seapath
Fuel Capacity:	1.400 cubic meters	Echo Sounder:	Skipper NaN Jing GDS 101
Fuel Consumption:	13 tonnes/day	Speed Log:	Sperry SRD 331
Stores Cranes:	2 x 1 tonnes; 2 x 2.2 tonnes	Navtex Receiver:	ICS Nav 5
Endurance:	100 days	Weather Station:	Taiyo TF 721
		Accomodation:	47 bunks



SEISMIC EQUIPMENT

Energy Source

Energy Source Type:	Bolt Technology LL
Subarrays:	6 x 10 guns each
Total Capacity:	7860 cubic inches (2 x 3930 cu.) – Bolt, 6 strings @ 1310 each
Synchronizer:	Syntron GCS-90
Air Compressors:	2 x Hamworthy 800E (800 CFM each) 3 x Hamworthy 425E (390 CFM each) 2,000 psi (138 bar)

Streamer

Type:	I/O MSX, 24 Bit Digital
Hydrophone Type:	I/O Preseis 2517
Streamer Length:	2D 1 x 9,000m (max); 3D: 4 x 6,000m
Active Sections:	MSX x 100 metre
Stretch Sections:	Hd 62 metre; Tail 87.5 metre
Tow Leader:	3 x 425 metre; 2 x 560 metre
Cable Levelers:	DigiCOURSE Model 5011 Compass Birds
Streamer Winch Capacity:	4 x 7,500 metre each

Recording Instruments

Type:	O/O MSX Marine Recording System
Tape Format:	8015 SEG D, 3590-tape cartridges
Tape Recorders:	4 x IBM Magstar 3590
Display System:	Seis QC, 20 color monitor, Versatec 24 plotter HP Postscript laser printer

NAVIGATION

Integrated Navigation System:	Concept Systems Spectra/Sprint/Reflex/Racal Winfrog
Survey Echo Sounder:	Echo Trac DF3200 MKII
Primary Navigation:	Thales Skyfix Spotbeam, Model 90938, ver 5.0.1.0
Secondary Navigation:	Trimble DSM 212H, Version 34454-00, 10 Hz Output
Recording Format:	UKOOA P2.91, P2/94

ON-BOARD PROCESSING

Quality Control and Processing:	SUN SPARC 20 with ProMax Software
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