



SEISMIC SURVEY VESSEL M/V AKADEMIK LAZAREV

VESSEL SPECIFICATIONS

Name	Akademik Lazarev	Classification	KM(*) UL[1]
Owner	SEVMORNEFTEGEOFIZIKA	Registration Number	PC 851438
Port of Reg.	Murmansk	IMO	840 89 85
Flag	Russian	Call sign	UAJS
Builder-Year	Szczecin, Poland-1987	GMDSS	Furuno
		Inmarsat:	phone: 870 763 477 210
			fax: 870 763 477 213
		E-mail	master@lazarev.smng.com
		Inmarsat C	427 300 236 427 305 448
		MMSI	273 450 600
		V-SAT	+7 8152 69 10 35
		Iridium	+881 677 718 865

MAIN CHARACTERISTICS

Length, beam, draft	81,85mx14,83mx5,2m	AIS	Seatex100R
Gross tonnage	2833GRT	VHFradioDSC	2x JRCJHS-770S
Deadweight	1319t	SSBradio	FurunoFS-2570T
Main engines	Zgoda-Sulzer 6ZL 40/48	Radars	2xFuruno2127X/2137S
Propeller	1 variable pinch/225rpm	Autopilot	AnschutzNP5300
Auxiliary engines	2 x 8AL 20/24	Standartcompass	KMO-T
Bow Thruster	Zamech N 1.3-220kW	Gyrocompass	TG-8000 TokioKeiki/Navigat X Mk1
Cruising speed	12knots	Echosounder	FurunoFE-700
Range at cruising speed	12 000 nautical miles	Inductions log	FurunoDS-80
Fresh water capacity	216t	Navtex	FurunoNX700
Fresh water maker	8t/day	GPS	FurunoGP-80
Fuel capacity	710t	Rescue boat	MP800 SRINGER
Fuel consmp. per day	10t cruise/8t survey	Endurance	71 days
Deck crane	R-4/12,5(SWL4,0t)	Accommodation	56 berths

SEISMIC EQUIPMENT



ENERGY SOURCE:

Type	BOLT 1500 LL; 1900 LLX
Sub-arrays	4 lines x 7 guns
Total capacity	5 500 cubic inches
Gun controller	Seamap GunLink 2000
Compressor	LMF 51-138 / WP 6442 / 2 x LMF 240E
Compressor Air Capacity	3890 cfm
Subarray length	15 m
Subarray width	30 m

STREAMER:

Type	Sercel Sentinel (SSAS)
Channels	960
Hydrophone Type	Sercel Flexible Exportable
Streamer length	up to 12 000 m
Group length	12,5 m
Depth controller	Digibird 5010, Digibird 5011 E
Streamer Positioning	ION System 3
Winch capacity	12 000 m of 59,5 mm cable
Tailbuoy	Partnerplast

RECORDING INSTRUMENTS:

Type	Sercel SEAL 428
Tape format	SEG-D 8058
Tape recorders	IBM 3592
Display system	Thermal plotter iSYS-V24

NAVIGATION



Integrated navigation system	Concept Systems Orca 1.14.1
DGPS system	Starfix.G2, Multifix 6 v.2.0, Starfix.XP2, Starpack QC, Starfix HP, Starpack QC
Gyrocompass	Teledyne TSS Meridian Surveyor, TG-8000 TOKAMAK, StarTrack Virtual Gyro
Echo sounder	Simrad EA 500, 12 kHz
Binning system	N/A
Acoustic System	N/A
Nav QC	Sprint 2D version 4.5.2 + Orca NRT
RGPS	Fugro StarTrack SRU v.09.05.02

ON-BOARD PROCESSING (upon request)



Quality control and processing	Cluster IBM X3650 M4 nodes -10, cores - 80, RAM - 320 Gb, storage - 24 Tb.
Processing Software	ProMAX/SeisSpace 2D/3D 5000.8

Sevmorneftegeofizika

17 Karl Marx Street
Murmansk 183025
Russia
tel: (+7) 8152 70 46 46
tel: (+7) 8152 476 397
fax: (+7) 8152 456 049
e-mail: smng@rusgeology.ru
<http://www.smng.com>

Attn:
Oleg V. Penkov, Managing Director JSC SMNG

Mikhail Savchenko, Head of the Marketing and Contract
Department e-mail: savchenko@smng.com