



SEISMIC SURVEY VESSEL M/V AKADEMIK LAZAREV

VESSEL SPECIFICATIONS

Name	Akademik Lazarev	Classification	KM*UL 1 AUT 2 Special purpose ship
Owner	SEVMORNEFTEGEOFIZIKA	Registration Number	PC 851438
Port of Reg.	Murmansk	IMO	840 89 85
Flag	Russian	Call sign	UAJS
Yard/Year Built	Szczecin, Poland/1987	GMDSS	Furuno
Classification Repair	2022		

MAIN CHARACTERISTICS

Length, beam, draft	81,85m x 14,83m x 5,2m	AIS	Seatex 100R
Gross tonnage	2833 GRT	VHF radio DSC	2x JRC JHS-770S (GMDSS)
Deadweight	1319t	SSB radio	Furuno FS-2570T
Main engines	Zgoda-Sulzer 6ZL 40/48	Radars	2x Furuno 2127X/2137S
Propeller	1 variable pinch/225rpm	Autopilot	Raytheon Anschutz ComPilot 20
Auxiliary engines	2 x 8AL 20/24	Standart compass	KMO-T
Bow Thruster	Zamech N 1.3-220kW	Gyrocompass	Tokimek TG-8000, Tokyo Keyki GC-80
Cruising speed	12 knots	Echo sounder	Furuno FE-700
Range at cruising speed	12 000 nautical miles	Inductions log	Furuno DS-80
Fresh water capacity	216t	Navtex	Furuno NX700
Fresh water maker	8t/day	GPS	Furuno GP-90: Furuno GP-150
Fuel capacity	711t	Rescue boat	MP800 SRINGER
Fuel consmp. per day	10t cruise/8t survey	Endurance	65 days
Deck crane	R-4/12,5(SWL4,0t)	Accommodation	51 berths

SEISMIC EQUIPMENT



ENERGY SOURCE:

Type	BOLT 1500 LL; 1900 LLX
Sub-arrays	2 lines x 8 guns, 2 lines x 8 guns
Total capacity	6270 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) /ALS
Channels	960
Hydrophone Type	Sercel Flexible Exportable / Exportable SLH 20 or Geopoint
Streamer length	up to 12 000 m
Group length	12,5 m
Depth controller	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	HDD 2-4 Tb
Display system	Thermal plotter iSYS-V24

NAVIGATION



Integrated navigation system	Concept Systems Orca 1.14.1
Onboard navigation processing	NRT+IRIS
DGNSS	Fugro StarPack - XP2, Fugro StarPack - G2, EFT RS2 - xFix, 4GNSS OC-113 - AOGLO
RGNSS	SatPos Citius Gen 2
Tail Buoys positioning	Citius Gen2 Tailbuoy Pod
Source positioning	4x Citius Gen2 Source Pods
Streamer positioning	ION Digicourse Model 5011E Compass Bird
Gyrocompass	Teledyne TSS Meridian Surveyor, StarPack Virtual Gyro
Echo sounder	Simrad EA 500, 12 kHz, Simrad EA 400, 38 kHz
Sound Velocity Profiler	Valeport MIDAS SVX2 3000

ON-BOARD PROCESSING (upon request)



Quality control and processing	Cluster IBM X3650 M4
Processing Software	nodes -10, cores - 80, RAM - 320 Gb, storage - 24 Tb. ProMAX/SeisSpace 5000.10.0.3

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