



ROS GEO
Russian State Geological Company

Sevmorneftegeofizika



SEISMIC SURVEY VESSEL M/V AKADEMIK NEMCHINOV

VESSEL SPECIFICATIONS

Name	Akademik Nemchinov	Classification	KM(*) UL[1]
Owner	SEVMORNEFTEGEOFIZIKA	Registration Number	PC 873946
Port of Reg.	Murmansk	IMO	840 90 32
Flag	Russian	Call sign	UETM
Yard/Year Built	Szczecin, Poland/1988	GMDSS	Sailor Compact 2000
Upgraded	New Castle, England-1997		

MAIN CHARACTERISTICS

Length, beam, draft	84,4mx14,83mx5,2m	AIS	Seatex 100R
Gross tonnage	3224GRT	VHF radio DSC	Sailor Rt2048/Gx2310
Deadweight	1469t	SSB radio	Sailor T2000
Main engines	MAK Diesel Engine 8M32C	Radars	KH Digital-Xband, KH Digital- Sband
Propeller	1 variable pitch / 225rpm	Autopilot	Robertson AP9 Mk3
Auxiliary engines	2x 8AL20/24	Standart compass	KMO-T
Bow Thruster	Zamech N1.3 - 220kW	Gyrocompass	SG Brown Meridian
Cruising speed	12 knots	Echosounder	NEL-M3B
Range at cruising speed	12000 nautical miles	Inductions log	Furuno DS-80
Fresh water capacity	200t	Navtex	Furuno NX-500
Fresh water maker	8t/day	GPS	Furuno GP-150
Fuel capacity	600t	Rescue boat	MP-800 SPRINGER
Fuel consmp. per day	11t cruise / 16t survey	Endurance	50 day
Deck crane	HSBC-80 (SWL 6,5t)	Accommodation	46 berths

SEISMIC EQUIPMENT



ENERGY SOURCE:

Type	BOLT 1500 LL; 1900 LLX
Sub-arrays	6 lines x 7/8 guns
Total capacity	2 x 3542 cubic inches
Gun controller	Seamap GunLink 2000
Compressor	2 x LMF 51/138-DVCS 2414W14
Compressor Air Capacity	3640 cfm
Subarray length	15 m
Subarray width	66 m

STREAMER:

Type	Sercel Sentinel Solid
Channels	4 x 480
Hydrophone Type	Sercel Flexible Exportable
Streamer length	4 x 6000 m
Spread	4 x 100 m
Group length	12,5 m
Depth controller	Digibird 5010, Digibird 5011 E
Streamer Positioning	ION System 3
Winch capacity	4 x 6 000 m of 50 mm cable
Tailbuoy	Partnerplast

RECORDING INSTRUMENT:

Type	Sercel SEAL 408
Tape format	SEG-D 8058
Tape recorder	IBM 3592
Display system	ISYS-V24 Thermal plotter

NAVIGATION



Integrated navigation system	ION Concept Systems ORCA 1.12.1
DGPS system	EFT S2+Hi-RTP, 4GNSS OC-113+AO Glonasss
Gyrocompass	SG Brown Meridian, Simrad GC80
Echo sounder	Navisound 420 DS (200 kHz), Simrad EA 600 (12kHz, 200kHz)
Binning system	Reflex version 1.11.8
Acoustic System	Sonardyne SIPS2
Nav QC	Sprint 2D/3D version 4.5.2 + Orca NRT+ Iris
RGPS	Kongsberg Seatex, Seatrack 220, 320

ON-BOARD PROCESSING (upon request)



Quality control and processing	Server (Dell PowerEdge r730: 16core, RAM 256Gb)
Processing Software	26 nodes, 624 cores , RAM 3328 Gb, storage 60 Tb ProMAX/SeisSpace 2D/3D R5000

Sevmorneftegeofizika

17 Karl Marx Street
Murmansk 183025
Russia

tel: (+7) 8152 70 46 46
fax: (+7) 8152 45 60 49
e-mail: smng@rusgeology.ru
<http://www.smng.com>