



## SHALLOW WATER SEISMIC SURVEY VESSEL M/V PROFESSOR RJABINKIN

### VESSEL SPECIFICATIONS

Name	Professor Rjabinkin	Classification	KM*L1 IA2
Owner	SEVMORNEFTEGEOFIZIKA	Registration Number	PC 870551
Port of Reg.	Murmansk	IMO	840 49 23
Flag	Russian	Call sign	UAJU
Builder-Year	Rauma-Repola, Finland-1989	GMDSS	STR 2000, Raytheon Marine
Upgraded		Inmarsat:	phone: 870 764 319 111 870 761 115 758
		fax:	870 764 319 113 870 761 115 761
		e-mail	rjabinkin@rjabinkin.smng.com
		Inmarsat C	427 300 236
		MMSI	273 450 600
		V-SAT	+7 8152 69 10 43
		Iridium	+881 677 726 751

### MAIN CHARACTERISTICS

Length, beam, draft	49,92mx10,6mx2,39m	AIS	Seatex 100R
Gross tonnage	952GRT	VHF radio DSC	STR-8400
Deadweight	250t	SSB radio	STR-2000
Main engines	4xWartsilaDiesel, SACM	Radars	Bridge Master/ JMA-5312-6
Propeller	2xAquamaster, 2x460 kW	Autopilot	Robertson AP9 Mk3
Auxiliary engines	85kW diesel-generator	Standart compass	KMO-T
Bow Thruster	110kW, KPR 225	Gyrocompass	Navigat X MK1/SG Brown Meridian
Cruising speed	8 knots	Echosounder	NEL-M3B
Range at cruising speed	4 000 nautical miles	Inductions log	SAL-860
Fresh water capacity	76t	Navtex	Furuno NX-500
Fresh water maker	4t/day	GPS	Samyung-1400
Fuel capacity	137t	Rescue boat	N/A
Fuel consmp. per day	6tcruise/9tsurvey	Endurance	20 days
Deck crane	SWL 2,0t	Accommodation	32 berths

## SEISMIC EQUIPMENT



### ENERGY SOURCE:

Type	Sleeve Guns
Sub-arrays	2 lines x 12 guns
Total capacity	3 280 cubic inches
Gun controller	GCS-90
Compressor	2 x NCA 23-207 DSD, 1 x Hamworthy 4TH190
Compressor Air Capacity	1827 cfm
Subarray length	10,5 m
Subarray width	18 m

### STREAMER:

Type	Sercel Seal Fluid (ALS)
Channels	480
Hydrophone Type	Bentos Geopoint
Streamer length	up to 6 000 m
Group length	12,5 m
Depth controller	Digicourse 5011 E
Streamer Positioning	DigiSCAN
Winch capacity	6000m of 50 mm cable
Tailbuoy	Partnerplast

### RECORDING INSTRUMENTS:

Type	Sercel SEAL 408XL
Tape format	SEG-D 8058
Tape recorders	Tape drives 3590
Display system	OYO Thermal plotter GS-624

## NAVIGATION



Integrated navigation system	ION CONCEPT SYS ORCA 1.12.1
DGPS system	MultiFix6 v2.01, Fugro Skyfix XP2, Skyfix G2, Starpack v.09.05.02
Gyrocompass	Navigat X MK 1/Meridian
Echo sounder	Simrad Ea400 (38 kHz)
Binning system	N/A
Acoustic System	N/A
Nav QC	Sprint 2D/3D ver.4.5.2
RGPS	Seatex Seatrack 220

## ON-BOARD PROCESSING (upon request)



Quality control and processing Processing Software	SERVER IBM X3200 / Linux RedHat PROMAX 2D/3D 2003.19.1.1
---	---

### 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