

"Gazpromneft-lubricants", Ltd.
Office 40, 14/3 Krzhizhanovskogo Street,
Moscow, Russia, 117218



CERTIFICATE OF ANALYSIS № 18002664-OZSM

Gear oil Gazpromneft GL-5 80W-90
STO 84035624-068-2012 revision 1-3 OKPD 2 code
19.20.29.150

Declaration of Conformity
reg. number: EA3C № RU Д-РУ.НХ20.В.00589 on 16.07.2020
Company management is certified for compliance with the standards
ISO 9001: 2015, ISO 14001: 2015, OHSAS 18001: 2007

Tank: E-4 Level, cm: 214 Quantity, t: 123,2
Batch: 25536 Package: 527 drums of 205.0 L 96,9680 t

Date of produced: 26.03.2018		Date of sampling: 26.03.2018		
Characteristics	Test Method	TR of the CU limit	ND limit	Analysis result
Kinematic viscosity at 100 °C, mm ² /s, in range	GOST 33	-	13,50 - 15,50	13,94
Brookfield viscosity at minus 26 °C, mPa·s, max	ASTM D 2983	-	150000	58000
Flash Point, COC, °C, min	GOST 4333	135	180	232
Pour Point, °C, max	GOST 20287	-	Minus 30	Minus 40
Mechanical impurities, wt %, max	GOST 6370	0,03	Absence	Absence
Water content, wt %, max	GOST 2477	-	Traces	Traces
Phosphorus content, wt %, in range	ASTM D 6481	-	0,03 - 0,05	0,05
Foaming tendency, ml, max	ASTM D 892	-	50	10
- Seq. I			50	30
- Seq. II			50	10
- Seq. III	GOST 9490	-	559,0	632,6
Tribological characteristics, Four-Ball Method			2685,0	5508,0
- load-wear index, N, min			Not standardized, the definition necessarily	0,4
- weld point, N, min			Not standardized, the definition necessarily	0,5
- wear scar diameter, 392 N, 60 minutes, mm			Not standardized, the definition necessarily	879,6
- wear scar diameter, 588 N, 50 minutes, mm			Not standardized, the definition necessarily	882,8
Density at 20 °C, kg/m ³	ASTM D 4052	-	Not standardized, the definition necessarily	Bright and clear liquid without foreign substances
Density at 15 °C, kg/m ³	ASTM D 4052	-	Bright and clear liquid without foreign substances	Bright and clear liquid without foreign substances
Appearance	Visual	-	165	348
Self-ignition point, °C, min	GOST 12 1-044	165	165	

Conclusion: Gear oil Gazpromneft GL-5 80W-90 The product meets the requirements of Technical regulations of the Customs Union 030/2012 and STO 84035624-068-2012, revision 1-3

Shelf life - 5 years from date of manufacture

Sampling conditions - GOST 2517-2012

Storage conditions - GOST 1510-84

Manufacturer: "Gazpromneft-lubricants", LTD, Russia, 644040, Omsk, avenue Gubkina, 1.

Testing Laboratory: Laboratory of oil and petrochemistry, accreditation certificate № RA.RU.518884 from 18.11.2016. 1, Gubkina avenue, Omsk, 644040, Russia

Head of shift Laboratory: Gorchakova S.V.

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КОПИЯ ВЕРНА

