

"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: EAЭС № 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
Tribological characteristics, Four-Ball Method	GOST 9490	-	559,0	632,6
load-wear index, N, min			2685,0	5508,0
weld point, N, min			Not standardized, the definition necessarily	0,4
wear scar diameter, 392 N, 60 minutes, mm			Not standardized, the definition necessarily	0,5
wear scar diameter, 588 N, 50 minutes, mm			Not standardized, the definition necessarily	879,6
Density at 20 °C, kg/m ³	ASTM D 4052	-	Not standardized, the definition necessarily	882,8
Density at 15 °C, kg/m ³	ASTM D 4052	-	Not standardized, the definition necessarily	
Appearance	Visual	-	Bright and clear liquid without foreign substances	Bright and clear liquid without foreign substances
Self-ignition point, °C, min	GOST 12 1-044	165	165	348

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

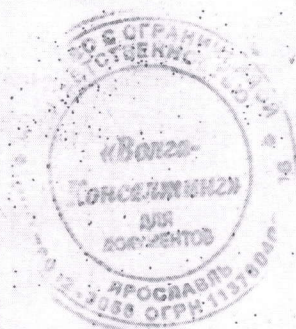
Storage conditions - GOST 1510-84

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.

Date of issuance: 26.03.2018 23:01:49



КОПИЯ ВЕРНА



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Certificate of Analysis N. 29236

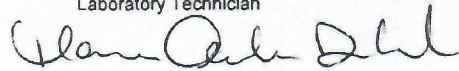
Product: **G-BOX ATF DX III**

Corporate Code	02 5365 1707	Local Code	GND2005
Batch	80000919	Date	06-Jul-2018
Quantity		Sampling Date	04-Jul-2018
Delivery Date		Shelf life (Months)	60

Characteristics	Method	UOM	Min	Max	Target	Analysis Result
Flash Point COC	ASTM - D92	°C	170		205	203
Kinematic Viscosity, 100°C	ASTM - D445	mm²/s	7.2	8.2	7.8	7.75
Appearance	INT - VISUAL	none			RED & CLEAR	RED & CLEAR
Viscosity index	ASTM - D2270	nuom			180	173
Pour Point	ASTM - D97	°C		-40	-45	-45
Brookfield Viscosity, -40°C	ASTM - D2983	mPa·s		20000	9900	17800
Density, 15°C	ASTM - D4052	kg/m³			849	852.3
Phosphorus	ASTM - D7751	mass %	0.05	0.07	0.06	0.064
Water by Crackle	INT - SM 384	none			NEGATIVE	NEGATIVE

Notes:

Gazpromneft Lubricants Italia S.p.A.
 Valeria Puchinotta
 Laboratory Technician




S.p.A. con unico socio - Cap. Soc. € 2.580.000 i.v. C.F. e registro Imprese di Roma 07338340586 - P. IVA 01751251008