













ROSNEFT
LUBRICANTS





**AUTOMOTIVE AND INDUSTRIAL
LUBRICANTS**

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ABOUT COMPANY

RN-Lubricants is a core lubricant business of Rosneft, which is the world's largest public oil company in terms of the proven hydrocarbon reserves and output. We have more than 1000 commercial products including lubricants, special fluids and greases used for passenger vehicles, commercial vehicles and industrial equipment. One of the notable advantages of our products is that they maintain excellent operational properties in a wide temperature range. They can be used in various industries such as aviation, high-precision instrumentation and space, or in extreme conditions such as the Arctic.

We have an extensive network of distributors and strategic partnerships, which help promoting our products in both Russian and international markets. At the global level, our presence is continuously expanding. RN-Lubricants now exports to more than 30 countries and has established foreign representative offices in the key regions.

Our lubricants comply with the highest level of international quality standards. We have more than 200 approvals from the leading automotive manufacturers such as AVTOVAZ, GAZ, Mercedes-Benz, BMW, Renault, Cummins and KAMAZ.

RN-Lubricants has a solid scientific and technological foundation. We have an ability to produce synthetic and mineral base oils, as well as additives. Moreover, Rosneft has two R&D institutions, where the experts conduct new researches, study innovative technologies and develop brandnew products.

PRODUCTION SITES



ENGINE LUBRICANTS FOR PASSENGER VEHICLES



RN-Lubricants has several product lines for passenger vehicles. **Rosneft Magnum** is a line of highly customized engine oils produced with synthetic base stocks. Each product was created in order to maximize the performance of a particular application. *Rosneft Magnum Ultratec* is designed to maximize the engine protection in brandnew cars. *Rosneft Magnum Runtec* is designed to extend the oil drain intervals in high-mileage engines. *Rosneft Magnum Maxtec* is designed to extend the life of high-mileage engines. *Rosneft Magnum Cleantec* is designed to minimize deposits in high-mileage engines.

Rosneft Maximum and **Rosneft Standart** are targeted for more widely used and older cars. **Rosneft Sahara** is particularly designed for the engines operating under hot climates, such as the CIS, Africa and the Middle East.

Rosneft MOTO 2T is designed for small sized two-stroke engines.

Rosneft Express is designed to flush oil systems of gasoline and diesel engines.

ROSNEFT MAGNUM ULTRATEC



Maximum Engine Protection
FULLY SYNTHETIC ENGINE OIL

VISCOSITY GRADES
SAE 5W-40, 10W-40, 5W-30

APPROVALS AND SPECIFICATIONS

FE SAE 5W-30: API SN/CF; ILSAC GF-5

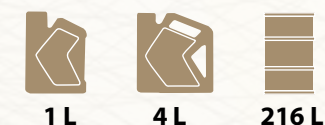
A3 SAE 5W-40: API SN/CF; ACEA A3/B4, A3/B3; MB-Approval 229.5; MB 226.5; VW 502.00/505.00; Renault RN 0700/0710; Porsche A40; BMW Longlife-01; GM-LL-B-025; Fiat 9.55535-N2/Z2; PSA B71 2296

SAE 5W-40: API SN/CF; ACEA A3/B4, A3/B3; MB 229.3, 229.1, 226.5; VW 502.00/505.00; Renault RN 0700/0710; GM LL-A/B-025; Fiat 9.55535-H2/M2/N2; PSA B71 2294; AvtoVAZ

SAE 10W-40: API SN/CF; ACEA A3/B4, A3/B3; MB 229.3; 229.1, 226.5; VW 502.00/505.00; Renault RN 0700/0710; GM LL-A/B-025; Fiat 9.55535-G2; PSA B71 2230; AvtoVAZ

SAE 5W-30: API SL/CF; ACEA A5/B5; Ford M2C-913C; Renault RN 07000

PACKAGING



DESCRIPTION

Rosneft Magnum Ultratec is a fully synthetic engine oil with the highest performance level. It is designed for the cars of the world's leading automakers such as Mercedes-Benz, Volkswagen, Renault, Ford, GM, Fiat and Peugeot-Citroen.

APPLICATION

Rosneft Magnum Ultratec is intended for all-season use in gasoline and diesel engines of cars and light commercial vehicles.

BENEFITS

- Compliance with the leading global automakers' requirements
- Strong protection against wear
- Latest generation salicylate additives

ROSNEFT MAGNUM RUNTEC



Extended Oil Drain Intervals
FULLY SYNTHETIC ENGINE OIL

VISCOSITY GRADES
SAE 10W-40, 20W-50

APPROVALS AND SPECIFICATIONS
API SN/CF; AvtoVAZ

PACKAGING



DESCRIPTION

Rosneft Magnum Runtec is a fully synthetic engine oil with increased service intervals. It can retain a significant amount of anti-oxidant reserves, and thus ensures a safe engine operation even after 16 000 km.

APPLICATION

Rosneft Magnum Runtec is intended for all-season use in gasoline and diesel engines of cars and light commercial vehicles, including those equipped with a turbocharger.

BENEFITS

- Extended oil drain intervals
- Stable engine performance
- Low maintenance costs

ROSNEFT MAGNUM MAXTEC



Extended Engine life
SEMI-SYNTHETIC ENGINE OIL

VISCOSITY GRADES
SAE 5W-30, 5W-40, 10W-40

APPROVALS AND SPECIFICATIONS
API SL/CF; AvtoVAZ

PACKAGING



DESCRIPTION

Rosneft Magnum Maxtec is a semi-synthetic engine oil with an extended engine life. It effectively protects the high-mileage engines by minimizing deposits.

APPLICATION

Rosneft Magnum Maxtec is intended for all-season use in gasoline and diesel engines of cars and light commercial vehicles.

BENEFITS

- Extended engine life in post-warranty period
- Reduced deposits in cylinder-piston group area
- Long-term smooth operation of engine

ROSNEFT MAGNUM CLEANTEC



Effectively Clean Engine
FULLY SYNTHETIC ENGINE OIL

VISCOSITY GRADES
SAE 10W-40

APPROVALS AND SPECIFICATIONS
API SJ/CF; AvtoVAZ

PACKAGING



DESCRIPTION

Rosneft Magnum Cleantec is a fully synthetic engine oil with minimal deposits. It is particularly designed for the old cars as it keeps engine clean at an affordable cost.

APPLICATION

Rosneft Magnum Cleantec is intended for all-season use in gasoline and diesel engines of cars and light commercial vehicles. It is recommended to be used instead of API SG/CD.

BENEFITS

- Reduced deposits and sludge
- Trouble-free operation of high-mileage engines
- Suitable for vehicles older than 10 years

ROSNEFT MAXIMUM



SEMI-SYNTHETIC (5W-40, 10W-40) &
MINERAL (10W-30, 15W-40, 20W-50) ENGINE OILS

VISCOSITY GRADES
SAE 5W-40, 10W-30, 10W-40, 15W-40, 20W-50

APPROVALS AND SPECIFICATIONS
API SG/CD; AvtoVAZ

PACKAGING



DESCRIPTION

Rosneft Maximum is an engine oil with an improved anti-wear function. It is produced from high-quality synthetic and mineral base components as well as modern additives.

APPLICATION

Rosneft Maximum is intended for all-season use in gasoline and diesel engines of cars and light-duty trucks, including those equipped with a turbocharger.

BENEFITS

- Extended engine life
- Reduced deposits on all engine parts
- Protection against leakage

ROSNEFT STANDART



MINERAL ENGINE OIL

VISCOSITY GRADES

SAE 10W-40, 15W-40, 20W-50

APPROVALS AND SPECIFICATIONS

API SF/CC

PACKAGING



DESCRIPTION

Rosneft Standart is a mineral engine oil with a reliable engine protection. It is produced from mineral base components and high-quality additives.

APPLICATION

Rosneft Standart is intended for use in gasoline and diesel engines of cars and light-duty trucks.

BENEFITS

- Stable performance in different operating modes
- Effective removal of heat from the most heat-loaded zones
- Protection against leakage

ROSNEFT SAHARA



MINERAL ENGINE OIL

VISCOSITY GRADES

SAE 40, 50, 60

APPROVALS AND SPECIFICATIONS

API SC/CA

PACKAGING



DESCRIPTION

Rosneft Sahara is a mineral engine oil with a reliable engine protection under hot climates. Viscosity grade is selected in accordance with the instruction manual.

APPLICATION

Rosneft Sahara is intended for use in gasoline and diesel engines of cars, minibuses and light commercial vehicles, especially those of the old models.

BENEFITS

- Effective lubrication under hot climates
- Protection against wear
- Protection against leakage
- Suitable for the CIS countries, Africa and the Middle East

ROSNEFT MOTO 2T

MINERAL ENGINE OIL

INTERNATIONAL SPECIFICATIONS

API TC; JASO FD; ISO E-GD; SAE F/M 2



PACKAGING



DESCRIPTION

Rosneft MOTO 2T is a universal mineral engine oil for two-stroke engines. It is produced from high-quality base stocks and modern additives.

APPLICATION

Rosneft MOTO 2T is intended for use in motorcycles, motorbikes and other equipment with two-stroke gasoline engines. It must be added to the tank before refueling.

BENEFITS

- Complete burning without residue
- Clean combustion chamber
- Efficient protection against corrosion
- Full compatibility with similar quality oils

ROSNEFT EXPRESS

FLUSHING OIL

INTERNATIONAL SPECIFICATIONS

AvtoVAZ



PACKAGING



DESCRIPTION

Rosneft Express is a flushing oil with a high content of detergent-dispersant additives. It is produced from high-quality mineral base stocks and highly effective additives.

























































APPLICATION

Rosneft Express is intended for flushing oil systems of gasoline and diesel engines before an oil change. It is recommended to be used in the following order: warm up the engine; drain old engine oil; add flushing oil; let the engine idle for up to 15 minutes; drain flushing oil; replace the oil filter; and add fresh engine oil.

BENEFITS

- Deposit prevention
- Highly effective dispersant additives
- Compatibility with oil seal materials

OIL SELECTOR FOR PASSENGER VEHICLES

	API SN		API SL	API SN			API SL			API SJ
										
	Magnum Ultratec 5W-40	Magnum Ultratec 10W-40	Magnum Ultratec 5W-30	Magnum Coldtec 5W-30	Magnum Coldtec 5W-40	Magnum Runtec 10W-40	Magnum Maxtec 5W-30	Magnum Maxtec 5W-40	Magnum Maxtec 10W-40	Magnum Cleantec 10W-40
 Rosneft recommendation										
 Compliance with automaker's requirements										
 Recommended for cars older than 10 years										
 Fully synthetic engine oils										
 Semi-synthetic engine oils										
AUDI		+								
BMW		+								
CHERY	+	+				+			+	
CHEVROLET		+	+	+			+		+	
CHRYSLER	+	+	+	+		+	+	+		
CITROËN		+								
DODGE	+		+	+			+	+		
FORD										
HONDA	+	+	+			+	+	+		
HUYNDAI	+	+	+			+	+		+	
INFINITI		+	+				+			
JAGUAR		+	+			+				
JEEP						+			+	
KIA	+	+	+			+	+		+	
LAND ROVER	+		+				+			
LEXUS			+				+			
MAZDA	+	+	+				+			
MITSUBISHI	+	+	+			+			+	
NISSAN	+	+	+			+			+	
OPEL		+								
PEUGEOT		+								
RENAULT		+	+							
SEAT		+								
ŠKODA		+								
SSANGYONG		+		+						
SUBARU	+	+				+				
SUZUKI		+	+			+	+		+	
TOYOTA		+	+			+	+		+	
VOLKSWAGEN		+								
VOLVO			+							
LADA	+	+				+		+	+	

ENGINE LUBRICANTS FOR COMMERCIAL VEHICLES



Our commercial vehicle lubricants have been designed to maximize the reliability and durability of the engine. In addition, many years of experience in development and sales of products have supported our scientific studies on the operational conditions. We have defined three most critical properties determining the oil's performance: oxidation resistance, stable viscosity and anti-wear. **Rosneft Revolux** is a line of premium engine oils created to maximize these three properties.

Rosneft Diesel is a line of high-quality engine oils for middle- and high-mileage vehicles.

ROSNEFT REVOLUX D5



SYNTHETIC TECHNOLOGY ENGINE OIL

VISCOSITY GRADES

SAE 5W-40, 10W-40, 15W-40

APPROVALS AND SPECIFICATIONS

API CJ-4/SM; ACEA E9, E7; MB 228.31;
MAN M3575; MTU Category 2.1; Renault RLD-3;
Volvo VDS-4, VDS-3, VDS-2, VDS;
Cummins CES20081/77/76/72/71;
Detroit Diesel 93K218; Deutz DQC III-10 LA;
MACKEO-O Premium Plus, EO-M Plus;
Scania LA; Caterpillar ECF-3, ECF-2, ECF-1a;
Avtodizel (YaMZ); Tutaevsky Motor Plant

PACKAGING



DESCRIPTION

Rosneft Revolux D5 is a premium synthetic technology engine oil designed to lubricate high-power pollution-free diesel engines. It is produced from low-sulphur base stocks and low SAPS (sulphated ash, phosphorus and sulphur) additives, and is approved by the world's leading OEMs.

APPLICATION

Rosneft Revolux D5 is intended for all-season use in high-performance and environmental-friendly diesel engines. It is compatible with all types of exhaust gas aftertreatment systems.

BENEFITS

- Approvals from the world's leading OEMs
- Extended life of exhaust gas aftertreatment systems
- Engine component protection
- Clean engine

ROSNEFT REVOLUX D4



SYNTHETIC TECHNOLOGY ENGINE OIL

VISCOSITY GRADES

SAE 10W-40

APPROVALS AND SPECIFICATIONS

API CI-4; ACEA E4, E7; MB 228.5, 228.3, 228.1;
MAN M3277, M3275-1; MTU Category 2, 1;
Volvo VDS-3, VDS-2, VDS; Renault RXD/RLD-2;
Cummins CES 20078/77/76/72/71;
Detroit Diesel 93K218; Deutz DQC III-10;
MACK EO-N; Scania LDF-2; Caterpillar ECF-2,
ECF-1a; Avtodizel (YaMZ); Tutaevsky Motor Plant

PACKAGING



DESCRIPTION

Rosneft Revolux D4 is a premium synthetic technology engine oil designed to lubricate diesel engines with extended oil drain intervals. It is approved by the world's leading OEMs.

APPLICATION

Rosneft Revolux D4 is intended for all-season use in high-power diesel engines of freight trucks, highway equipment and intercity buses.

BENEFITS

- Approvals from the world's leading OEMs
- Reduced scale and varnish deposits
- Engine component protection
- Clean engine

ROSNEFT REVOLUX D3



FULLY SYNTHETIC (5W-40), SEMI-SYNTHETIC (10W-30, 10W-40) AND MINERAL (15W-40) ENGINE OILS

VISCOSITY GRADES

SAE 5W-40, 10W-30, 10W-40, 15W-40

APPROVALS AND SPECIFICATIONS

API CI-4/SL; ACEA E7; MB 228.3, 228.1; MAN M3275-1, 271; Volvo VDS-3, VDS-2, VDS; Cummins CES 20078/77/76/72/71; Deutz DQC III-10; Renault VI RLD-2/RLD; MTU Category 2, 1; MACK EO-N, M Plus; Caterpillar ECF-2, ECF-1a; Global DHD-1; JASO DH-1; KAMAZ; Avtodizel (YaMZ); Tutaevsky Motor Plant; LiAZ

PACKAGING



DESCRIPTION

Rosneft Revolux D3 is a premium engine oil designed to lubricate high-power diesel engines operating under severe conditions. It is approved by the world's leading and the largest Russian OEMs.

APPLICATION

Rosneft Revolux D3 is intended for all-season use in diesel engines of linehaul, mining and road-building equipment. It is ideal for the mixed fleets of vehicles with diesel and gasoline engines.

BENEFITS

- Approvals from the world's leading OEMs
- Protection against wear
- Engine component protection
- Clean engine

ROSNEFT REVOLUX D2 PLUS



SEMI-SYNTHETIC (10W-40) AND MINERAL (15W-40) ENGINE OILS

VISCOSITY GRADES

SAE 10W-40, 15W-40

APPROVALS AND SPECIFICATIONS

API CH-4/SJ; ACEA E5; MB 228.1; MAN M3275-1, 271; Volvo VDS-2, VDS; Cummins CES 20077/76/72/71; Deutz DQC II-10; Renault RLD; MTU Category 2, 1; MACK EO-M; KAMAZ; Avtodizel (YaMZ); Tutaevsky Motor Plant

PACKAGING



DESCRIPTION

Rosneft Revolux D2 Plus is a premium engine oil designed to lubricate high-power diesel engines operating under severe conditions. It is approved by the world's leading and the largest Russian OEMs.

APPLICATION

Rosneft Revolux D2 Plus is intended for all-season use in diesel engines of linehaul, mining and road-building equipment.

BENEFITS

- Protection against wear
- Engine component protection
- Clean engine

ROSNEFT REVOLUX D2



SEMI-SYNTHETIC (10W-40) AND MINERAL
(15W-40) ENGINE OILS

VISCOSITY GRADES

SAE 10W-40, 15W-40

APPROVALS AND SPECIFICATIONS

API CG-4/SJ; ACEA E2; MB 228.1; MAN M3275-1, 271;
Volvo VDS; Deutz DQC I-05; MTU Category 2, 1;
KAMAZ; Avtodizel (YaMZ); Tutaevsky Motor Plant

PACKAGING



DESCRIPTION

Rosneft Revolux D2 is a premium engine oil designed to lubricate high-power diesel engines operating under severe conditions. It is approved by the world's leading and the largest Russian OEMs.

APPLICATION

Rosneft Revolux D2 is intended for all-season use in diesel engines of linehaul, mining and road-building equipment.

BENEFITS

- Engine component protection
- Clean engine

ROSNEFT REVOLUX D1



SEMI-SYNTHETIC (10W-40) AND MINERAL
(15W-40, 20W-50) ENGINE OILS

VISCOSITY GRADES

SAE 10W-40, 15W-40, 20W-50

APPROVALS AND SPECIFICATIONS

API CF-4/SJ; KAMAZ; Avtodizel (YaMZ);
Tutaevsky Motor Plant

PACKAGING



DESCRIPTION

Rosneft Revolux D1 is a premium engine oil designed to lubricate high-power diesel engines operating under severe conditions. It is approved by the world's leading and the largest Russian OEMs.

APPLICATION

Rosneft Revolux D1 is intended for all-season use in diesel engines of linehaul, mining and road-building equipment.

BENEFITS

- Engine component protection
- Clean engine
- Protection against leakage

ROSNEFT REVOLUX GEO



MINERAL ENGINE OIL

VISCOSITY GRADES

GEO: SAE 10W-40, 15W-40
GEO CS & GEO Plus: SAE 15W-40

APPROVALS AND SPECIFICATIONS

GEO: API CF; KAMAZ
GEO CS: Cummins CES 20074
GEO Plus: API CF

PACKAGING



20 L 216 L

DESCRIPTION

Rosneft Revolux GEO is a high-quality low/medium-ash engine oil designed to lubricate spark-ignition engines using methane (natural gas) as a fuel.

APPLICATION

Rosneft Revolux GEO is intended for all-season use in gas engines of buses, heavy-duty trucks and other commercial vehicles operating on natural gas (CNG).

BENEFITS

- Extended oil life
- Extended life of exhaust gas aftertreatment systems
- Clean engine
- Protection against leakage

ROSNEFT DIESEL 3, 2, 1



SEMI-SYNTHETIC (10W-40) AND MINERAL
(10W-30, 15W-40, 20, 30, 40, 50, 60)
ENGINE OILS

VISCOSITY GRADES

DIESEL 3: SAE 10W-40, 15W-40
DIESEL 2: SAE 10W-40, 15W-40
DIESEL 1: SAE 10W-40, 15W-40
SAE 20, 30, 40, 50, 60

APPROVALS AND SPECIFICATIONS

DIESEL 3: API CI-4/SL; KAMAZ; Avtodizel (YaMZ);
Tutaevsky Motor Plant
DIESEL 2: API CH-4/SJ; KAMAZ; Avtodizel (YaMZ);
Tutaevsky Motor Plant
DIESEL 1: API CF-4; KAMAZ; Avtodizel (YaMZ);
Tutaevsky Motor Plant

PACKAGING



4 L 5 L 20 L 216 L

DESCRIPTION

Rosneft Diesel is a line of semi-synthetic and mineral engine oils designed to lubricate diesel engines of commercial vehicles. It is approved by the leading Russian manufacturers of commercial vehicles.

APPLICATION

Rosneft Diesel is intended for use in high-performance diesel engines of linehaul, mining and road-building equipment.

BENEFITS

- Clean engine under severe conditions
- Protection against corrosion and wear
- Minimal oil consumption
- Protection against leakage

ROSNEFT DIESEL MOTOR



MINERAL ENGINE OIL

VISCOSITY GRADES

SAE 15W-40, 20W-50

APPROVALS AND SPECIFICATIONS

API CD

PACKAGING



DESCRIPTION

Rosneft Diesel Motor is a mineral engine oil designed to lubricate diesel engines of commercial vehicles.

APPLICATION

Rosneft Diesel Motor is intended for use in high-performance diesel engines of linehaul, mining and road-building equipment.

BENEFITS

- Clean engine under severe conditions
- Protection against corrosion and wear
- Minimal oil consumption
- Protection against leakage

OIL SELECTOR FOR COMMERCIAL VEHICLES

	REVOLUX D5	REVOLUX D4	REVOLUX D3	REVOLUX D2 PLUS	REVOLUX D2	KINETIC ATF III SYNT	KINETIC ATF III	KINETIC ATF IID
ACEA	E9	E4	E7	E5				
API	CJ-4/SM	CI-4	CI-4/SL	CH-4/SJ	CG-4/SJ			
ALLISON						C-4, TES-295, TES 389	C-4	C-4
CATERPILLAR	ECF-3		ECF-2				T0-2	T0-2
CUMMINS	20081	20078	20078	20077				
DEUTZ	DQCIII-10-LA	DQCIII-10	DQCIII-10	DQCII-10	DQCI-10			
GM						Dexron IIIH	Dexron IIIG	Dexron IID
JASO			DH-1			1-A		
MACK	EO-O Premium Plus, EO-M Plus	EO-N	EO-N, M Plus	EO-M				
MAN	3575	3277	3275	3275	3275	339 V-1, Z-1, L2	339 V-1, Z-1, L1	339 V-1, Z-1, L2
MB	228.31	228.5	228.3	228.1	228.1		236.1	236.1
MTU	2.1	2	2	2	2			
RENAULT	RLD-3	RLD-2	RLD-2	RLD				
SCANIA	LA	LDF-2						
VOITH						H55.6336	H55.6335	H55.6335
VOLVO	VDS-4	VDS-3	VDS-3	VDS-2	VDS	97340, 97341	97341	97335, 97340
ZF						+	+	+
KAMAZ			+	+	+			
TMZ	+	+	+	+	+			
YAMZ	+	+	+	+	+			

TRANSMISSION FLUIDS



Transmission is a crucial part in a vehicle operating under severe conditions. Thus, it is significant to choose a lubricant that provides a strong protection against high temperature, shock stress and bearing pressure. RN-Lubricants has several lines of high-quality transmission fluids containing anti-wear and extreme pressure additives:

Rosneft Kinetic UN is designed for mechanical transmissions and hypoid gears of passenger and commercial vehicles.

Rosneft Kinetic Hypoid is designed for hypoid gears of passenger and commercial vehicles.

Rosneft Kinetic MT is designed for mechanical transmissions of passenger and commercial vehicles.

Rosneft Kinetic ATF is designed for automatic transmissions and power steering systems of passenger and commercial vehicles.

Rosneft Kinetic Catran is a transmission/hydraulic oil designed for road-building and mining equipment.

Rosneft Kinetic UTTO is a transmission/hydraulic oil designed for agricultural and road-building equipment.

ROSNEFT KINETIC UN



FULLY SYNTHETIC (75W-90)
AND SEMI-SYNTHETIC (80W-90)
TRANSMISSION OILS

VISCOSITY GRADES
SAE 75W-90, 80W-90

APPROVALS AND SPECIFICATIONS
API GL-4/5; AvtoVAZ

PACKAGING



DESCRIPTION

Rosneft Kinetic UN is a transmission oil produced with modern additives and synthetic base stocks, which provide enhanced anti-oxidation and extended oil life. It is designed to lubricate heavy-load transmissions operating under high temperatures.

APPLICATION

Rosneft Kinetic UN is intended for use in mechanical transmissions and hypoid axles of passenger and commercial vehicles working under shock and high surface stresses.

BENEFITS

- Maximal protection under severe conditions
- Extended oil drain intervals
- Smooth operation at low temperatures
- Application in both gearboxes and axles

ROSNEFT KINETIC HYPOID



SEMI-SYNTHETIC (75W-90) AND MINERAL
(80W-90, 85W-90 AND 85W-140)
TRANSMISSION OILS

VISCOSITY GRADES

SAE 75W-90, 80W-90, 85W-90, 85W-140

APPROVALS AND SPECIFICATIONS

SAE 75W-90: API GL-5; AvtoVAZ

SAE 80W-90: API GL-5; MAN 342 M2; ZF TE-ML
05A, 07A, 08, 12E, 16B, 17B, 19B, 21A; AvtoVAZ

SAE 85W-90: API GL-5; MAN 342 M2; ZF TE-ML 05A,
07A, 08, 12E, 16B, 16C, 17B, 19B, 21A; AvtoVAZ

SAE 85W-140: API GL-5; ZF TE-ML 05A, 07A, 08,
12E, 16C, 16D, 21A; Volvo 97310

PACKAGING



DESCRIPTION

Rosneft Kinetic Hypoid is a transmission oil produced with enhanced anti-wear and extreme pressure additives, which increase the durability of hypoid gears.

APPLICATION

Rosneft Kinetic Hypoid is intended for use in all kinds of hypoid gears operating under shock and high surface stresses, as well as in mechanical transmissions of passenger and commercial vehicles.

BENEFITS

- Protection under high temperature, shock stress and bearing pressure
- Smooth operation and low fuel consumption at low temperatures

ROSNEFT KINETIC MT



SEMI-SYNTHETIC (75W-85, 75W-90)
AND MINERAL (80W-85, 80W-90)
TRANSMISSION OILS

VISCOSITY GRADES

SAE 75W-85, 75W-90, 80W-85, 80W-90

APPROVALS AND SPECIFICATIONS

SAE 75W-90, 80W-85, 75W-90: API GL-4;
AvtoVAZ

SAE 80W-90: API GL-4; ZF TE-ML 02B, 17A;
AvtoVAZ; KAMAZ

PACKAGING



DESCRIPTION

Rosneft Kinetic MT is a transmission oil produced with high anti-oxidant, anti-wear and extreme pressure additives. It provides an increased durability of synchronizers and smooth gear shifts.

APPLICATION

Rosneft Kinetic MT is intended for use in all kinds of mechanical transmissions of motorcycles, and passenger and commercial vehicles. It can also be used in lightly loaded hypoid gears of driving axles.

BENEFITS

- Protection under high temperature, shock stress and bearing pressure
- Reliable operation of transmission units
- Smooth operation and low fuel consumption at low temperatures

ROSNEFT KINETIC ATF TYPE T-IV



FULLY SYNTHETIC TRANSMISSION FLUID

APPROVALS AND SPECIFICATIONS

GM Dexron IIIH, IIIG, IID, TASA; Toyota Type T-IV, T-III, D-III, D-II, WS; Aisin Warner AW-1; JWS 3309, 3314, 3317, 3324; Allison C-3/C-4; Caterpillar TO-2; JASO 1A; ZF TE-ML 09, 11A, 11B, 1A-LV, 2A; Audi/VW 5HP, G 052 055, G 052 162, G 052 990, G 055 005, G 055 025 A2, G 060 162, TL 521 62, BMW 7045E, ETL-8072B, LA2634, LT71141, 5HP18FL, 5HP24, 5HP30; Ford Mercon, WSS M2C-138CJ/166H/922A1/924A, FNR5, XT-2/QDX/QSM, ESP M2C-166H, XL-12; GM/Opel P/N 1940700, 1940767, 21005966, 2217466, 22717466, 88900925, 9986195, 93160393; Honda ATF Z-1, DW-1; Hyundai/Kia SP-IV/SP-IV-M/SP-IV-RR, SP-III, SP-II, NWS 9638; JATCO; Kia Red-1; Mazda ATF D-II, M-V, M-III, FZ, F-1, S-1, N-1; Mitsubishi Diaqueen SK, SP-II, SP-III, AW, J2, J3, ATF PA; Nissan Matic-C, D, J, K, S; Peugeot/Citreon 4HP20, Z000169756; Renault DP-0/AL4, SATF-D; Subaru ATF, ATF-HP, K0140Y0700, ATF 5AT; Volvo 97335, 97325, P/N 1161640, 1161621, 1161540

PACKAGING



DESCRIPTION

Rosneft Kinetic ATF Type T-IV is a premium automatic transmission fluid with high efficiency resulted from the increased oil drain intervals under severe conditions. It is designed to lubricate automatic transmissions from the world's leading OEMs.

APPLICATION

Rosneft Kinetic ATF Type T-IV is intended for use in automatic transmissions meeting the specifications listed above. It is not recommended for use in variators (CVT).

BENEFITS

- Smooth operation at low temperatures
- Effective prevention of harmful deposits
- Low volatility at high temperatures and high resistance to oxidation
- Extended unit life and low maintenance costs

ROSNEFT KINETIC ATF III SYNT



FULLY SYNTHETIC TRANSMISSION FLUID

APPROVALS AND SPECIFICATIONS

GM Dexron IIIH; Voith 55.6336; Allison C-4, TES-295, TES-389; Ford Mercon V; ZF TE-ML 04D, 14B, 16L, 20B; MAN 339 Type L1, V2, Z2, Z11; Volvo 97340, 97341; JASO 1-A

PACKAGING



DESCRIPTION

Rosneft Kinetic ATF III Synt is a fully synthetic automatic transmission fluid with a wide range of approvals. The oil drain intervals can be increased in accordance with the instruction manual.

APPLICATION

Rosneft Kinetic ATF III Synt is intended for use in automatic transmissions and power steering systems of cars, buses and commercial vehicles.

BENEFITS

- Smooth operation in all climates
- Silent operation and smooth gear shifts under severe conditions
- Effective prevention of harmful deposits
- Extended unit life and low maintenance costs

ROSNEFT KINETIC ATF III

SYNTHETIC TECHNOLOGY TRANSMISSION FLUID

APPROVALS AND SPECIFICATIONS

GM DEXRON IIIIG;
ZF TE-ML 03D, 04D, 05L, 09, 11B, 14A, 17C, 21L;
Voith H55.6335; MAN 339 Typ Z1, V1, L1;
MB 236.1; Allison C-4; Caterpillar TO-2;
Ford MERCON; Volvo 97341; GM TASA



PACKAGING



DESCRIPTION

Rosneft Kinetic ATF III is a synthetic technology automatic transmission fluid with excellent viscosity-temperature, frictional and anti-oxidant properties. It offers a smooth operation by effectively protecting the transmission parts from wear.

APPLICATION

Rosneft Kinetic ATF III is intended for use in automatic transmissions and power steering systems of cars, buses and commercial vehicles.

BENEFITS

- Smooth operation in all climates
- Silent operation and smooth gear shifts under severe conditions
- Effective prevention of harmful deposits

ROSNEFT KINETIC ATF IID

MINERAL TRANSMISSION FLUID

APPROVALS AND SPECIFICATIONS

GM DEXRON IID;
ZF TE-ML 04D, 05L, 09, 11A, 14A, 21L;
Voith H55.6335; MAN 339 Typ Z1, V1, L2;
MB 236.1; Allison C-4; Caterpillar TO-2;
Ford MERCON; Volvo 97335, 97340; GM TASA



PACKAGING



DESCRIPTION

Rosneft Kinetic ATF IID is a mineral automatic transmission fluid with excellent tribological properties that ensure a smooth operation.

APPLICATION

Rosneft Kinetic ATF IID is intended for use in automatic transmissions and power steering systems of cars, buses and commercial vehicles.

BENEFITS

- Silent operation and smooth gear shifts
- Long-term operation under high temperatures
- Protection against corrosion, wear and deposits
- Compatibility with all existing transmission seal materials

ROSNEFT KINETIC CATRAN



MINERAL TRANSMISSION OIL

VISCOSITY GRADES

SAE 10W, 30, 50

APPROVALS AND SPECIFICATIONS

API CF-2, CF; ZF TE-ML 03C, 07F;
Komatsu KES 07.868.01; Allison C-4; Caterpillar TO-4

PACKAGING



DESCRIPTION

Rosneft Kinetic Catran is a transmission/hydraulic oil produced with high-quality hydro-treated base stocks and modern additives.

APPLICATION

Rosneft Kinetic Catran is intended for use in power shift transmissions, hub and final drives, hydraulic systems and wet brakes of road-building and mining equipment manufactured by Caterpillar, Komatsu, Hitachi, etc. It is also recommended for transmissions manufactured by Eaton, Fuller, ZF, Dana and Rockwell.

BENEFITS

- Extended transmission life
- Durable operation under difficult conditions
- Silent operation of equipment
- Compatibility with all existing transmission seal materials
- Good fluidity at low temperatures

ROSNEFT KINETIC UTTO



MINERAL TRANSMISSION OIL

VISCOSITY GRADES

SAE 10W- 30

APPROVALS AND SPECIFICATIONS

API GL-4; Allison C4; Caterpillar TO-2; John Deere J14A-C, JTD 303, J121A; John Deere J20A, J20B, J20C, J20D; CNH MAT 3510, 3525, 3526; Massey Ferguson M1135, M1138, M1141, M1143, M1145; Volvo WB101 (VCE97303); Parker (Denison UTTO) HF-1 to HF-2; Flat Hesston AF-87; Ford FNHA-2-C-200, C201, M2CA-C, Ford M2C-41, 43, 48B, C, 53A, B, 77A, 86A, B, C, 92A, 142A, 143, 159A; IHC B-2 International Harvester; J.I Case/Case Int: MS-1204, 6, 7, 9, JIC 143-145 International Farmall; Kubota UDT; Renk Doromat 87.3.874A/B; Steiger HTF (SEMS 17001); White Q-1826; JCMAS HKP-041,-042; Sauer Sunstrand/Danfoss; Sperry Vickers/Eaton I-280-S

PACKAGING



DESCRIPTION

Rosneft Kinetic UTTO (Universal Tractor Transmission Oil) is an all-season universal transmission/hydraulic oil which contains enhanced viscosity-temperature properties and provides a smooth operation at an ambient temperature down to -25 ° C.

APPLICATION

Rosneft Kinetic UTTO 10W-30 is intended for use in hydro-mechanical transmissions, hydraulic systems, wet brakes and driving axles of agricultural and road-building machinery requiring UTTO oils, such as John Deere, Massey Ferguson and Case New Holland.

BENEFITS

- Suitable for agricultural and auxiliary equipment
- Extended transmission life
- Extended oil life
- Effective lubrication in a wide temperature range

INDUSTRIAL LUBRICANTS



The operational conditions can highly influence the overall performance of industrial equipment. In this way, lubricants have a great significance in determining equipment's service life and reliability. RN-Lubricants has a variety of industrial lubricants, which have been developed to lubricate various types of equipment according to their purposes and particular working conditions.

Rosneft Gidrotec is a hydraulic oil designed for hydraulic systems of industrial equipment and mobile equipment operating under high mechanical and thermal loads. **Rosneft Gidrotec ZF** (zinc-free) is designed for hydraulic systems with copper and silver elements. **Rosneft Gidrotec OE** (old equipment) is designed for equipment with a high degree of wear, and contains a seal conditioner that reduces gaps and minimizes oil leakage.

Rosneft Redutec is a gear oil designed to lubricate gears of industrial equipment operating under medium and high loads, including shock, as well as circulation systems of various mechanisms. **Rosneft Redutec OE** is designed for equipment with a high degree of wear. **Rosneft Redutec CL** is designed for low- and medium-load gears of industrial equipment, especially worm gears.

Rosneft Flowtec Iron is a circulating oil used in rolling mill bearings.

Rosneft Compressor VDL is a compressor oil used in high-pressure screw, rotary and piston compressors. **Rosneft Compressor Syngas** is designed for turbocompressors pumping aggressive substances.

Rosneft Turbogear OE is a turbine oil used in centralized lubrication systems of steam and gas turbines.

Rosneft Energotec is an engine oil used in stationary gas engines.

Transformer Oil GK is an insulating oil used in power transformers and other high-voltage equipment.

Rosneft Emultec is a metalworking fluid used in grinding and cutting of alloys.

Rosneft Arbotec is a spindle fluid used in high-speed and light-load machinery.

Rosneft Metalway is a slideway oil used in sliding and rolling of metal-cutting equipment.

Rosneft Termoil OE is a quenching oil used in bulk hardening of metal parts.

Rosneft Formtec is a forming oil used in casting process.

Rosneft Plastex Lithium and **Litol-24** are greases used in friction units of machinery and transport.

ROSNEFT GIDROTEC ZF HVLP



HYDRAULIC OIL

VISCOSITY GRADES

ISO VG: 15, 22, 32, 46

APPROVALS AND SPECIFICATIONS

DIN 51524-3 (HVLP)

DESCRIPTION

Rosneft Hidrotec ZF HVLP is a zinc-free hydraulic oil with a high-performance level. It contains ashless additives with high anti-oxidant, anti-corrosive and anti-wear properties.

APPLICATION

Rosneft Hidrotec ZF HVLP is intended for all-season use as a working fluid in hydraulic drive and hydraulic control systems of construction, road, logging as well as lifting and transport equipment, and other outdoor machinery.

PACKAGING



20 L 216 L

BENEFITS

- Suitable for use with copper and silver
- Protection against deposits and valve sticking
- Stable oil pressure

PHYSICAL AND CHEMICAL PROPERTIES

Parameter	Test Method	Rosneft Hidrotec ZF HVLP			
		15	22	32	46
Kinematic viscosity at 40 °C, mm ² /s	GOST 33	15	22	32	46
Viscosity index	GOST 25371	140	145	180	153
Color CNT, units	GOST 20284	1.0	1.0	1.0	1.0
Total acid number, mg KOH/g	GOST 11362	0.5	0.5	0.6	0.3
Foaming tendency: at 24 °C	GOST 32344	0	0	0	0
at 94 °C		20	20	10	10
at 24 °C after test 94 °C		0	0	0	0
Flash point, COC °C	GOST 4333	147	180	185	196
Pour point, °C	GOST 20287	-60	-51	-50	-50

ROSNEFT GIDROTEC ZF HLP



HYDRAULIC OIL

VISCOSITY GRADES

ISO VG: 32, 46, 68, 100

APPROVALS AND SPECIFICATIONS

DIN 51524-2 (HLP)

DESCRIPTION

Rosneft Hidrotec ZF HLP is a zinc-free hydraulic oil with a high-performance level. It contains ashless additives with excellent operational properties.

APPLICATION

Rosneft Hidrotec ZF HLP is intended for use as a working fluid in hydraulic systems of industrial equipment such as injection molding machines operating under high mechanical and thermal loads.

PACKAGING



20 L 216 L 1000 L

BENEFITS

- Suitable for use with non-ferrous metals
- Protection against deposits
- Stable oil pressure
- Environmental safety

PHYSICAL AND CHEMICAL PROPERTIES

Parameter	Test Method	Rosneft Hidrotec ZF HLP			
		32	46	68	100
Kinematic viscosity at 40 °C, mm ² /s	GOST 33	32	46	68	100
Viscosity index	GOST 25371	105	100	98	95
Color CNT, units	GOST 20284	1.0	1.0	2.0	2.5
Total acid number, mg KOH/g	GOST 11362	0.2	0.2	0.2	0.7
Foaming tendency: at 24 °C	GOST 32344	0	0	0	0
at 94 °C		10	20	20	20
at 24 °C after test 94 °C		0	0	0	0
Flash point, COC °C	GOST 4333	205	216	221	220
Pour point, °C	GOST 20287	-30	-23	-20	-20

ROSNEFT GIDROTEC HVLP



HYDRAULIC OIL

VISCOSITY GRADES

ISO VG: 15, 22, 32, 46

APPROVALS AND SPECIFICATIONS

DIN 51524-3 (HVLP); Bosch Rexroth 90220; Eaton 35VQ25; Parker-Denisoin HF-0, HF-1, HF-2; Cincinnati P-68, P-69, P-70; Sandvik; Metso; COMMETO; Honghua Group; BELAZ; IVECO-AMT; Road Machinery Factory; Stroydormash; PSM-Hydraulics

DESCRIPTION

Rosneft Hidrotec HVLP is a hydraulic oil with multifunctional additives containing improved anti-oxidant, anti-corrosive, anti-wear, anti-foam and viscosity properties.

APPLICATION

Rosneft Hidrotec HVLP is intended for all-season use in hydraulic systems of industrial and mobile equipment operating under high mechanical and thermal loads.

PACKAGING



BENEFITS

- High viscosity index and pumpability at low temperatures
- Extended life of oil and filters
- Effective protection from corrosion

PHYSICAL AND CHEMICAL PROPERTIES

Parameter	Test Method	Rosneft Hidrotec HVLP			
		15	22	32	46
Kinematic viscosity at 40 °C, mm ² /s	GOST 33	15	22	32	46
Viscosity index	GOST 25371	150	175	180	165
Color CNT, units	GOST 20284	1.0	1.0	1.0	0.5
Total acid number, mg KOH/g	GOST 11362	0.6	0.5	0.6	0.6
Foaming tendency: at 24 °C at 94 °C at 24 °C after test 94 °C	GOST 32344	0 20 0	0 20 0	0 10 0	0 10 0
Flash point, COC °C	GOST 4333	165	180	185	205
Pour point, °C	GOST 20287	-60	-51	-50	-50

ROSNEFT GIDROTEC HLP



HYDRAULIC OIL

VISCOSITY GRADES

ISO VG: 32, 46, 68, 100

APPROVALS AND SPECIFICATIONS

DIN 51524-2 (HLP); ISO 11158 (HM) & ASTM D6158-99 HM; Bosch Rexroth 90220/90245; Eaton 35VQ25; Parker-Denisoin HF-0, HF-1, HF-2; Fives P-68, P-69, P-70; Sandvik; Metso; Danieli; Engel; Trevisan Cometal; Dalian Machine Tools; T-Machinery, Demag Plastservice, Battenfeld; Vernet Behringer (VP-X 124/166); HYDAC; KOPEX; Masa; COMMETO; Honghua Group; BELAZ; Hidroprivod; PSM-Hydraulics

DESCRIPTION

Rosneft Hidrotec HLP is a hydraulic oil with multifunctional additives containing improved filterability, anti-oxidant, anti-corrosive, anti-wear, depressant, demulsifying and anti-foam properties.

APPLICATION

Rosneft Hidrotec HLP is intended for use in hydraulic systems of industrial equipment operating under high mechanical and thermal loads.

PACKAGING



BENEFITS

- Extended life of oil and filters
- Effective protection from corrosion

PHYSICAL AND CHEMICAL PROPERTIES

Parameter	Test Method	Rosneft Hidrotec HLP			
		32	46	68	100
Kinematic viscosity at 40 °C, mm ² /s	GOST 33	32	46	68	100
Viscosity index	GOST 25371	100	100	100	95
Color CNT, units	GOST 20284	1	1.5	2.5	3.0
Total acid number, mg KOH/g	GOST 11362	0.6	0.6	0.7	0.8
Ash content, %	GOST 1461	0.1	0.1	0.1	0.2
Filterability, with, not more than: without water with a volume ration of 2 % water	Method №9-2004	130 220	150 240	150 240	160 250
Foaming tendency: at 24 °C at 94 °C at 24 °C after test 94 °C	GOST 32344	0 10 0	0 10 0	0 10 0	0 10 0
Flash point, COC °C	GOST 4333	215	220	230	235
Pour point, °C	GOST 20287	-30	-22	-21	-20

ROSNEFT GIDROTEC OE HVLP



HYDRAULIC OIL

VISCOSITY GRADES

ISO VG: 15, 22, 32, 46

APPROVALS AND SPECIFICATIONS

DIN 51524-3 (HVLP); ISO 11158 (HV)
& ASTM D6158 HV

DESCRIPTION

Rosneft Hidrotec OE HVLP is a hydraulic oil produced from highly purified mineral oils and high-performance additives with a fluorescent indicator and seal conditioner.

APPLICATION

Rosneft Hidrotec OE HVLP is intended for all-season use as a working fluid in hydraulic drive and hydraulic control systems of construction, road and logging equipment, and other outdoor machinery with a high degree of wear.

PACKAGING



20 L 216 L

BENEFITS

- Minimal leakage
- Rapid detection of leakage
- Stable pressure in hydraulic system

PHYSICAL AND CHEMICAL PROPERTIES

Parameter	Test Method	Rosneft Hidrotec OE HVLP			
		15	22	32	46
Kinematic viscosity at 40 °C, mm ² /s	GOST 33	15	22	32	46
Viscosity index	GOST 25371	140	170	182	153
Color CNT, units	GOST 20284	1.5	2.0	1.5	2.0
Total acid number, mg KOH/g	GOST 11362	0.49	0.56	0.70	0.73
Ash content, %	GOST 1461	0.11	0.12	0.15	0.16
Foaming tendency: at 24 °C at 94 °C at 24 °C after test 94 °C	GOST 32344	0 10 0	0 20 0	0 10 0	0 10 0
Flash point, COC °C	GOST 4333	160	172	187	194
Pour point, °C	GOST 20287	-60	-53	-48	-46

ROSNEFT GIDROTEC OE HLP



HYDRAULIC OIL

VISCOSITY GRADES

ISO VG: 32, 46, 68, 100, 150, 220

APPROVALS AND SPECIFICATIONS

DIN 51524-2 (HLP); ISO 11158 (HM)
& ASTM D6158-99 HM

DESCRIPTION

Rosneft Hidrotec OE HLP is a hydraulic oil produced from highly purified mineral oils and high-performance additives with a fluorescent indicator and seal conditioner.

APPLICATION

Rosneft Hidrotec OE HLP is intended for use in hydraulic systems of industrial equipment with a high degree of wear. It can be used in hydraulic systems of mobile equipment.

PACKAGING



20 L 216 L 1000 L

BENEFITS

- Minimal leakage
- Rapid detection of leakage
- Stable pressure in hydraulic system

PHYSICAL AND CHEMICAL PROPERTIES

Parameter	Test Method	Rosneft Hidrotec OE HLP					
		32	46	68	100	150	220
Kinematic viscosity at 40 °C, mm ² /s	GOST 33	32	46	68	100	150	220
Viscosity index	GOST 25371	100	98	95	93	93	92
Color CNT, units	GOST 20284	1.5	2.0	3.0	4.0	4	4.5
Total acid number, mg KOH/g	GOST 11362	0.51	0.56	0.48	0.60	0.70	0.73
Ash content, %	GOST 1461	0.11	0.15	0.12	0.15	0.15	0.16
Foaming tendency: at 24 °C at 94 °C at 24 °C after test 94 °C	GOST 32344	0 10 0	0 10 0	0 15 0	0 10 0	0 10 0	0 10 0
Flash point, COC °C	GOST 4333	205	219	215	221	225	235
Pour point, °C	GOST 20287	-18	-17	-16	-14	-14	-12

ROSNEFT REDUTEC CLP

GEAR OIL

VISCOSITY GRADES

ISO VG: 68, 100, 150, 220, 320, 460, 680

APPROVALS AND SPECIFICATIONS

DIN 51517-3 (CLP); AGMA 9005 E02; David Brown S1.53.101 Type E; SMS Demag; Sandvik; GEROG; Niehoff; Danieli; KOPEX Machinery; Honghua Group; Zarem; Uralmashplant; PO Strong; Reductory; NKMZ

DESCRIPTION

Rosneft Redutec CLP is a gear oil developed for gears equipped with circulating or spray lubrication systems. It is produced from highly purified mineral base oils and multifunctional additives with improved lubricating, anti-oxidant, anti-corrosive, anti-wear and extreme pressure properties.

APPLICATION

Rosneft Redutec CLP is intended for use in gears of industrial equipment operating at medium and high loads. It can be used in impact and circulation systems operating under increased loads, in friction units of automatic hot forging presses, and in other heavily loaded elements of industrial equipment.



PACKAGING



BENEFITS

- Extended equipment life
- Effective protection from corrosion
- Longer replacement intervals

PHYSICAL AND CHEMICAL PROPERTIES

Parameter	Test Method	Rosneft Redutec CLP						
		68	100	150	220	320	460	680
Kinematic viscosity at 40 °C, mm ² /s	GOST 33	68	100	150	220	320	460	680
Total acid number, mg KOH/g	ASTM D2896	0.48	0.45	0.46	0.47	0.50	0.47	0.71
Anti-wear properties of FZG, load stages	ASTM D 5182	12	12	12	12	12	12	12
Foaming tendency: at 24 °C at 94 °C at 24 °C after test 94 °C	ASTM D892	0	0	0	0	0	0	0
		0	0	5	0	0	0	0
		0	0	0	0	0	0	0
Flash point, COC °C	GOST 4333	232	232	238	234	236	246	256
Pour point, °C	GOST 20287	-17	-19	-15	-15	-21	-15	-17

ROSNEFT REDUTEC OE

GEAR OIL

VISCOSITY GRADES

ISO VG: 68, 100, 150, 220, 320, 460, 680

APPROVALS AND SPECIFICATIONS

DIN 51517-3 (CLP); AGMA 9005-F16; David Brown S1.53.101 E

DESCRIPTION

Rosneft Redutec OE is a gear oil developed for industrial equipment with medium and high degree of wear. It is produced from highly purified mineral oils and high-performance additives.

APPLICATION

Rosneft Redutec OE is intended for use in gear drives and circulating lubrication systems for bearings of industrial equipment operating at medium and high loads, including shock.



PACKAGING



BENEFITS

- Minimal leakage
- Extended equipment life
- Effective protection from corrosion

PHYSICAL AND CHEMICAL PROPERTIES

Parameter	Test Method	Rosneft Redutec OE						
		68	100	150	220	320	460	680
Kinematic viscosity at 40 °C, mm ² /s	GOST 33	68	100	150	220	320	460	680
Total acid number, mg KOH/g	GOST 11362	0.35	0.38	0.48	0.44	0.50	0.78	0.90
Foaming tendency: at 24 °C at 94 °C at 24 °C after test 94 °C	ASTM D892	0	0	0	0	0	0	0
		0	10	10	0	0	0	0
		0	0	0	0	0	0	0
Tribological characteristics on FBM: load-wear index, N wear value at axial stress, mm	GOST 9490	480 0.4	683 0.4	647 0.4	476 0.4	680 0.3	680 0.2	690 0.2
Flash point, COC °C	GOST 4333	227	228	230	234	250	255	270
Pour point, °C	GOST 20287	-20	-17	-17	-18	-15	-15	-15

ROSNEFT REDUTEC CL

GEAR OIL

VISCOSITY GRADES

ISO VG: 220, 320, 460, 680

APPROVALS AND SPECIFICATIONS

DIN 51517-2 (CL)

DESCRIPTION

Rosneft Redutec CL is a gear oil produced from highly refined base oils and additives with improved low-temperature, anti-oxidant, anti-corrosive and anti-foam properties. Highly effective additives extend the life of worm gear, maintain the optimal thickness of an oil film, and prevent oxidation of the working surfaces of gear teeth and gearing of worm gear covered with non-ferrous metal alloys.

APPLICATION

Rosneft Redutec CL is intended for use in low- and medium-load gears of industrial equipment, especially for worm gears, as well as in variable speed gears and electromagnetic and gear couplings.



PACKAGING



216 L

BENEFITS

- Reduced deposits
- Excellent demulsifying properties
- Effective protection from corrosion
- Ideal for worm gears

PHYSICAL AND CHEMICAL PROPERTIES

Parameter	Test Method	Rosneft Redutec CL			
		220	320	460	680
Kinematic viscosity at 40 °C, mm²/s	GOST 33	220	320	460	680
Total acid number, mg KOH/g	GOST 25371	0.47	0.50	0.47	0.71
Foaming tendency: at 24 °C at 94 °C at 24 °C after test 94 °C	GOST 32344	0 0 0	0 0 0	0 0 0	0 0 0
Flash point, COC °C	GOST 4333	234	245	251	256
Pour point, °C	GOST 20287	-20	-18	-15	-12

ROSNEFT FLOWTEC IRON

CIRCULATING OIL

VISCOSITY GRADES

ISO VG: 100, 150, 220, 320, 460

APPROVALS AND SPECIFICATIONS

EZTM; NKMZ; Danieli ESS;
Morgoil Advanced Mill specification

DESCRIPTION

Rosneft Flowtec Iron is a circulating oil developed to lubricate heavy-duty oil film bearings of section rolling mills, sheet mills and wire mills. It is produced from high-quality base oils and multifunctional additives with high demulsifying, anti-wear and viscosity-temperature properties. It provides high-quality lubrication to the moving parts with high loads.

APPLICATION

Rosneft Flowtec Iron 510 and 515 are intended for use in wire mills. Rosneft Flowtec Iron 522, 532 and 546 are intended for use in hot plate rolling mills and long product mills.



PACKAGING



216 L



1000 L

BENEFITS

- Protection against wear
- Improved productivity of rolling mills
- Effective protection from corrosion
- Extended viscosity range

PHYSICAL AND CHEMICAL PROPERTIES

Parameter	Test Method	Rosneft Flowtec Iron				
		510	515	522	532	546
Kinematic viscosity at 40 °C, mm²/s	GOST 33	100	150	220	320	460
Viscosity index	GOST 25371	99	98	97	96	96
Total acid number, mg KOH/g	GOST 11362	0.27	0.27	0.26	0.24	0.22
Demulsifying properties: emulsion breaking time, min volume (oil-water emulsion), cm³	ASTM D 1401	10 (40-38-2)	10 (40-38-2)	10 (40-38-2)	20 (40-38-2)	20 (40-38-2)
Foaming tendency: at 24 °C at 94 °C at 24 °C after test 94 °C	GOST 32344	0 30 0	0 30 0	0 30 0	0 30 0	0 30 0
Flash point, COC °C	GOST 4333	222	226	234	242	252
Pour point, °C	GOST 20287	-20	-19	-17	-15	-15

ROSNEFT COMPRESSOR VDL



COMPRESSOR OIL

VISCOSITY GRADES

ISO VG: 46, 68, 100, 150, 220, 320

APPROVALS AND SPECIFICATIONS

DIN 51506 (VDL); Bezhetsky plant ASO;
Arsenal Machine-Building Plant ; ROTORCOMP;
Marcon; Remeza

DESCRIPTION

Rosneft Compressor VDL is a compressor oil which provides a high level of anti-corrosion and anti-oxidation, and resistance to deposit formation. The performance characteristics meet the requirements of the largest compressor manufacturers.

APPLICATION

Rosneft Compressor VDL is intended for use in compressors of various industries. Less viscous products are used for screw and rotary compressors, while more viscous ones are used for various piston compressors. It can also be used in circulating systems of sliding and rolling bearings of industrial equipment operating at high temperatures.

PACKAGING



BENEFITS

- Strong resistance against carbon deposits and varnishes
- Extended life of friction units
- Increased valve protection
- Protection against wear

PHYSICAL AND CHEMICAL PROPERTIES

Parameter	Test Method	Rosneft Compressor VDL					
		46	68	100	150	220	320
Kinematic viscosity at 40 °C, mm²/s	GOST 33	46	68	100	150	220	320
Color CNT, units	GOST 20284	2.0	2.0	2.5	2.5	2.5	2.5
Total acid number, mg KOH/g	GOST 11362	0.18	0.18	0.20	0.20	0.22	0.22
Ash content, %	GOST 1461	0.01	0.01	0.01	0.01	0.01	0.01
Tribological characteristics on FBM: load-wear index, N wear value, mm	GOST 9490	59	57	53	50	49	49
		0	0	0	0	0	0
Flash point, COC °C	GOST 4333	212	222	232	242	262	263
Pour point, °C	GOST 20287	-27	-25	-24	-21	-15	-15

ROSNEFT COMPRESSOR SYNGAS



COMPRESSOR OIL

VISCOSITY GRADES

ISO VG: 32, 46

APPROVALS AND SPECIFICATIONS

Dresser-Rand S.A.; Mitsubishi; Hitachi; CKD
Nove Energo; GIAP; Kazancompressormash;
NIITurbocompressor; Nevsky Zavod;
Kaluga Turbine Plant; Dalenergomash

DESCRIPTION

Rosneft Compressor Syngas is a compressor oil designed to lubricate turbocompressors that pump corrosive gasses such as ammonia, syngas and nitrous gasses. It has a high level of anti-oxidation and resistance to deposit formation.

APPLICATION

Rosneft Compressor Syngas is intended for use in circulating systems of centrifugal compressors working with corrosive media used in chemical and petrochemical industries and in production of ammonia, sulfuric acid and adipic acids. In compressor lubrication system, the oil lubricates bearings, fluid couplings of hydraulic control systems and seal of compressors.

PACKAGING



BENEFITS

- Extended equipment life
- Resistance against oxidation
- Effective protection from corrosion
- Protection against wear
- Superior performance in ammonia compressors

PHYSICAL AND CHEMICAL PROPERTIES

Parameter	Test Method	Rosneft Compressor Syngas	
		32	46
Kinematic viscosity at 40 °C, mm²/s	GOST 33	32	46
Flash point, COC °C	GOST 4333	205	210
Flash point, COC °C	GOST 20287	-19	-15
Demulsification time, s	GOST 12068	120	160
Stability against oxidation at 150 °C for 25 hours and oxygen consumption 3 dm³/h: - acid number, mg KOH/g	GOST 981	0.09	0.09
Oxidizing characteristics: acid number after 2000 hours of test, mg KOH/g	ASTM D 943	0.5	0.4

ROSNEFT TURBOGEAR OE

TURBINE OIL

VISCOSITY GRADES

ISO VG: 32, 46

APPROVALS AND SPECIFICATIONS

DIN 51515-1 (ISO VG 32); Solar Turbines ES 9-224;
Honghua Group

DESCRIPTION

Rosneft Turbogear OE is a new generation turbine oil with significantly improved anti-oxidant and anti-wear properties. It contains synthetic components and highly efficient additives, which provide excellent anti-oxidant, anti-corrosive, demulsifying and anti-wear properties.

APPLICATION

Rosneft Turbogear OE is intended for use in centralized lubrication systems of steam and gas turbines, as well as in sealing and control systems as a hydraulic fluid and sealing medium.

PACKAGING



216 L

BENEFITS

- Extended life of oil and equipment

PHYSICAL AND CHEMICAL PROPERTIES

Parameter	Test Method	Rosneft Turbogear OE	
		32	46
Kinematic viscosity at 40 °C, mm ² /s	GOST 33	32	46
Viscosity index	GOST 25371	104	118
Color CNT, units	GOST 20284	0.5	0.5
Total acid number, mg KOH/g	GOST 11362	0.04	0.057
Stability against oxidation at 150 °C for 16 h and oxygen consumption 3 dm ³ /h : - mass fraction of sedimentation, % - acid number, mg KOH/g - volatile lowmolecular acids, mg KOH/g	GOST 981	0.005 0.12 0.049	0.008 0.12 0.11
Antioxidant properties RPVOT, min	ASTM D2272	2.3	–
Pour point, °C	GOST 20287	-17	-11
Demulsification time, s	GOST 12068	60	120
Deaeration, s, at 50 °C	ASTM D3427	140	180

ROSNEFT ENERGOTEC 40

ENGINE OIL

VISCOSITY GRADES

SAE 40

APPROVALS AND SPECIFICATIONS

Volzhsky Diesel OJSC; RUMO;
GE-Jenbacher TA 1000-1109 (Series 2, 3, 4, 6);
Wartsila 175SG, 220SG, 25SG, 28SG, 34SG, 50SG,
20DF, 32DF, 34DF, 50DF (only when working on gas);
Caterpillar G3300, 3400, 3500, 3600 Series;
MAN gas engines (natural gas); MTU BR4000 Series;
Perkins 4000 Series; Rolls-Royce KG-1, KG-2, KG-3;
Waukesha VSG, VGF, VHP, APG;
Cummins QSV 81G/91G, QSK 60G Series

DESCRIPTION

Rosneft Energotec 40 is a low-ash engine oil for stationary two- and four-stroke gas engines operating on natural gas. It is designed for use in engines with turbochargers operating under heavy loads and high temperatures.

APPLICATION

Rosneft Energotec 40 is intended for use in stationary gas engines powered by natural gas.

PACKAGING



216 L

BENEFITS

- Extended oil life
- Protection against deposits and wear
- Strong protection against high-temperature erosion

PHYSICAL AND CHEMICAL PROPERTIES

Parameter	Test Method	Rosneft Energotec 40
Kinematic viscosity at 100 °C, mm ² /s	GOST 33	15.4
Total base number, mg KOH/g	ASTM D2896	4.2
Sulfated ash, mass %	GOST 12417	0.38
Mass fraction, %	GOST 9827	0.02
Flash point, COC °C	GOST 4333	240
Pour point, °C	GOST 20287	-14

TRANSFORMER OIL GK



HYDROCRACKING TRANSFORMER OIL

APPROVALS AND SPECIFICATIONS

IEC 60296:12; ART-TRA S.r.L;
recommended for use by Rosseti

DESCRIPTION

Transformer Oil GK is a high-quality insulating oil produced from mineral oil with a low sulfur content. It contains strong oxidation inhibitor and is non-aggressive to the most insulating materials. This product is the only transformer oil in Russia that fully complies with the requirements of the international standard IEC 60296: 12.

APPLICATION

Transformer Oil GK is intended for use in power transformers and other high-voltage equipment. It is recommended for use in electrical machinery of higher voltage classes.

PACKAGING



216 L

BENEFITS

- Extended oil life
- Highest level of performance properties

PHYSICAL AND CHEMICAL PROPERTIES

Parameter	Test Method	Transformer Oil GK
Kinematic viscosity at 50 °C, mm ² /s at -30 °C, mm ² /s	GOST 33	7 771
Total acid number, mg KOH/g	GOST 11362	0.003
Dielectric loss factor at 90 °C, %	GOST 6581	0.1
Breakdown voltage after sample preparation, kV	GOST 6581	70
Stability against oxidation - mass fraction of sedimentation, %	GOST 981	0.007
Flash point, COC °C	GOST 4333	141
Pour point, °C	GOST 20287	-48

ROSNEFT EMULTEC S



METALWORKING FLUID

DESCRIPTION

Rosneft Emultec S is a metalworking fluid (MWF), a fully synthetic emulsol concentrate with multifunctional and biocidal additives.

APPLICATION

Rosneft Emultec S is intended for use in grinding and cutting of various alloys of ferrous metals, including cast iron and mild and stainless steels. This type of MWF is applied in the form of aqueous emulsions.

PACKAGING



216 L

BENEFITS

- High chemical and thermal stability
- High-quality grinding surfaces
- Low foaming and high detergency
- Excellent protection from corrosion
- Less time spent on secondary operations

PHYSICAL AND CHEMICAL PROPERTIES

Parameter	Test Method	Rosneft Emultec S
Kinematic viscosity at 40 °C, mm ² /s	GOST 33	2-4
Total base number, mg KOH/g	GOST 11362	150-200
pH 3 % emulsion	GOST 6243	9-10

ROSNEFT EMULTEC 2040

METALWORKING FLUID

DESCRIPTION

Rosneft Emultec 2040 is a metalworking fluid (MWF), a semi-synthetic emulsol concentrate with multifunctional and biocidal additives.

APPLICATION

Rosneft Emultec 2040 is intended for use in various types of processing of ferrous and non-ferrous metal alloys, as well as other materials processed by cutting and grinding. This type of MWF is applied in the form of aqueous emulsions. It provides a high-quality surface in the finished workpiece during grinding operations on flat and cylindrical surfaces, including centerless grinding operations. It can also be used in cutting, turning, milling, cutting external and internal threads, and other operations.

PACKAGING



BENEFITS

- Extended operational intervals
- Wide range of use
- Low foaming and high detergency
- Use with industrial water
- Environmental and sanitary safety

PHYSICAL AND CHEMICAL PROPERTIES

Parameter	Test Method	Rosneft Emultec 2040
Kinematic viscosity at 40 °C, mm ² /s	GOST 33	2
pH 3 % emulsion	GOST 6243	9-10
Stability of 3 % emulsion, oil, %	GOST 6243	–

ROSNEFT EMULTEC 3175

METALWORKING FLUID

DESCRIPTION

Rosneft Emultec 3175 is a metalworking fluid (MWF), an emulsol concentrate with mineral base oils and biocidal additives. It also contains anti-wear additives that reduce wear on cutting tools, and is suitable for cutting of alloy steels and for heavy-duty cutting.

APPLICATION

Rosneft Emultec 3175 intended for use in turning on automated machines, milling, cutting (pulverization), drilling (including deep), cutting and rolling threads, and cutting teeth. Workable materials are cast iron, carbon and high carbon steels, and alloy steels. This type of MWF is applied in the form of aqueous emulsions.

PACKAGING



BENEFITS

- Environmental and sanitary safety
- Improved quality of working surfaces
- Extended life of metal-cutting tools
- Low foaming and high detergency
- Quick removal of cutting materials from cutting zone
- Less time spent on secondary operations

PHYSICAL AND CHEMICAL PROPERTIES

Parameter	Test Method	Rosneft Emultec 3175
Kinematic viscosity at 40 °C, mm ² /s	GOST 33	37
Total base number, mg KOH/g	GOST 11362	10-20
pH 5 % emulsion	GOST 6243	8.5-10.0
Stability of 5 % emulsion, oil, %	GOST 6243	–

ROSNEFT EMULTEC 2080

METALWORKING FLUID

DESCRIPTION

Rosneft Emultec 2080 is a metalworking fluid (MWF), a semi-synthetic emulsol concentrate with multifunctional and biocidal additives.

APPLICATION

Rosneft Emultec 2080 is intended for use in various types of processing of alloys of ferrous and non-ferrous metals, as well as other materials processed by cutting and grinding. This type of MWF is applied in the form of aqueous emulsions. It provides a high-quality surface in the finished workpiece during grinding operations of general applications, turning, milling, cutting (pulverization), drilling and countersinks.



PACKAGING



BENEFITS

- Environmental and sanitary safety
- Low foaming and high detergency
- Quick removal of cutting materials from cutting zone
- Less time spent on secondary operations

PHYSICAL AND CHEMICAL PROPERTIES

Parameter	Test Method	Rosneft Emultec 2080
Kinematic viscosity at 40 °C, mm²/s	GOST 33	37
Toal base number, mg KOH/g	GOST 11362	10-20
pH 5 % emulsion	GOST 6243	8.5-10.0
Stability of 5 % emulsion, oil, %	GOST 6243	1

ROSNEFT ARBOTEC

SPINDLE FLUID

VISCOSITY GRADES

ISO VG: 5, 7, 10

APPROVALS AND SPECIFICATIONS

Fives P-62

DESCRIPTION

Rosneft Arbotec is a spindle fluid for high-speed and light-load machinery. It contains enhanced anti-oxidative, anti-wear and anti-corrosive properties.

APPLICATION

Rosneft Arbotec is intended for use in mechanisms operating at high speeds and light loads, such as spindle units of lathes and milling machines with friction and rolling bearings, spindles of spinning and twisting machines, and spindle bearings of separators, sewing, straight bar, linking and knitting machines. It can be used in oil distribution lines, precision grinding, lathe and boring machines, copying mechanisms and various sensitive devices.



PACKAGING



BENEFITS

- Minimal deposits under severe conditions
- Extended equipment life
- Effective protection from corrosion
- Protection against wear

PHYSICAL AND CHEMICAL PROPERTIES

Parameter	Test Method	Rosneft Arbotec		
		5	7	10
Kinematic viscosity at 40 °C, mm²/s	GOST 33	5	7	10
Color CNT, units	GOST 20284	0.5	1.0	1.0
Total acid number, mg KOH/g	GOST 11362	0.039	0.020	0.030
Sulfur, mass %	GOST P 51947	0.02	0.03	0.02
Flash point, COC °C	GOST 4333	130	140	145
Pour point, °C	GOST 20287	-25	-40	-68

ROSNEFT METALWAY



SLIDEWAY OIL

VISCOSITY GRADES

ISO VG: 68, 100, 220

APPROVALS AND SPECIFICATIONS

DIN 51524-2 (HLP); DIN 51517-3 (CLP, CGLP);
Fives P-47, P-50

DESCRIPTION

Rosneft Metalway is a slideway oil designed to lubricate sliding and rolling of metal-cutting equipment, as well as hydraulic systems. It contains multifunctional additives with enhanced extreme pressure, anti-foam, anti-scurf and solubilizing properties.

APPLICATION

Rosneft Metalway is intended for use in sliding and rolling of metal-cutting equipment and in hydraulic systems of various machines, which require uniformity of slow movements, accuracy and sensitivity of sliding adjustments of tables, calipers, slides, heads, racks and other assemblies.

PACKAGING



20 L 216 L

BENEFITS

- Clean working surfaces
- Excellent adhesiveness to vertical sliding
- Effective protection from corrosion
- Extended life of machine tools
- Resistance against MWF's washing-out
- Environmental safety

PHYSICAL AND CHEMICAL PROPERTIES

Parameter	Test Method	Rosneft Metalway		
		68	100	220
Kinematic viscosity at 40 °C, mm²/s	GOST 33	68	100	220
Total acid number, mg KOH/g	ASTM D2896	0.17	0.20	0.18
Ash content, %	GOST 1461	0.02	0.02	0.02
Tribological characteristics on FBM: load-wear index, N (kgf) weld point, N (kgf)	ASTM D 9490	338.6 (34.6) 1382 (141)	444.3 (45.3) 1470 (150)	423.7 (43.2) 1646 (168)
Flash point, COC °C	GOST 4333	211	234	238
Pour point, °C	GOST 20287	-22	-20	-17

ROSNEFT TERMOIL OE



QUENCHING OIL

VISCOSITY GRADES

ISO VG: 12, 16, 26

APPROVALS AND SPECIFICATIONS

AvtoVAZ

DESCRIPTION

Rosneft Termoil OE is a quenching oil developed for use in bulk hardening of metal parts and forgings. It contains a low content of polycyclic aromatic hydrocarbons and resins as well as additives with enhanced anti-corrosive, anti-oxidant and detergent properties.

APPLICATION

Rosneft Termoil OE is intended for use in quench hardening of metal parts and forgings from alloys of ferrous and non-ferrous metals, which require oils with high operational properties.

PACKAGING



216 L

BENEFITS

- Clean working surfaces
- Extended equipment life
- Effective protection from corrosion
- Deep and high-quality quenching
- High resistance to evaporation
- Environmental safety

PHYSICAL AND CHEMICAL PROPERTIES

Parameter	Test Method	Rosneft Termoil OE		
		12	16	26
Kinematic viscosity at 40 °C, mm²/s	GOST 33	16	27	38
Ash content, %	GOST 1461	0.007	0.043	0.035
Flash point, COC °C	GOST 4333	181	198	215
Saponification number, mg KOH/g	ASTM D4052	–	0.26	0.30

ROSNEFT FORMTEC

FORMING OIL

VISCOSITY GRADES

ISO VG: 10, 68, 135, 150

DESCRIPTION

Rosneft Formtec is a forming oil which facilitates the extraction of concrete products from molds during casting. It provides effective additives with high anti-corrosive properties and a good separation of products from mold.

APPLICATION

Rosneft Formtec is intended for use in the process of casting materials from porous concrete, and foam and gas concrete in steel molds. It functions as an anti-frictional barrier coating to reduce the adhesion of concrete to steel mold.



PACKAGING



20 L 216 L

BENEFITS

- Smudge prevention on mold's surface
- Effective prevention from corrosion
- Extended mold life
- Environmental safety

PHYSICAL AND CHEMICAL PROPERTIES

Parameter	Test Method	Rosneft Formtec			
		10	68	135	150
Kinematic viscosity at 40 °C, mm ² /s	GOST 33	10	68	135	150
Total acid number, mg KOH/g	GOST 11362	5.0	5.5	6.2	5.0
Flash point, COC °C	GOST 4333	150	200	246	250
Pour point, °C	GOST 20287	-59	-35	-20	-16

ROSNEFT PLASTEX LITHIUM COMPLEX EP

GREASE

NLGI GRADES

00, 0, 1, 2, 3

APPROVALS AND SPECIFICATIONS

DIN 51825: KP (00, 0, 1, 2, 3) P-30

DESCRIPTION

Rosneft Plastex Lithium Complex EP is a multifunctional lithium complex lubricant with extreme pressure, anti-wear, anti-oxidant and anti-corrosive additives.

APPLICATION

Rosneft Plastex Lithium Complex EP is intended for use in friction units of industrial machinery and transports, which require a reliable protection of equipment operating in conditions of high temperatures, heavy loads and shock loads.



PACKAGING



20 L 216 L

BENEFITS

- Temperature range from -30 °C to 160 °C (temporarily up to 180 °C)
- Protection against wear under high loads
- Extended oil life
- Use under strong vibratory operation

PHYSICAL AND CHEMICAL PROPERTIES

Parameter	Test Method	Rosneft Plastex Lithium Complex EP				
		00	0	1	2	3
Dropping point, °C	GOST 6793	230	235	240	250	255
Penetration at 25 °C with stirring, 0.1 mm	GOST 5346	420	370	332	275	240
Tribological characteristics at temp. (20 ± 5) °C on FBM: weld point N wear scar diameter, mm	GOST 9490	3300 0.32	3300 0.27	3300 0.32	3300 0.38	3300 0.35

ROSNEFT PLASTEX LITHIUM EP



GREASE

NLGI GRADES

00, 0, 1, 2, 3

APPROVALS AND SPECIFICATIONS

DIN 51825: KP (00, 0, 1, 2, 3) K-30

DESCRIPTION

Rosneft Plastex Lithium EP is a multifunctional lithium lubricant with extreme pressure, anti-wear, anti-oxidant and anti-corrosive additives.

APPLICATION

Rosneft Plastex Lithium EP is intended for use in friction units of industrial machinery and transports, which require a reliable protection of equipment operating in conditions of high temperatures, heavy loads and shock loads.

PACKAGING



20 L 216 L

BENEFITS

- Temperature range from -30 °C to 120 °C (temporarily up to 150 °C)
- Protection against wear under high loads
- Extended oil life
- Good pumpability in a wide temperature range

PHYSICAL AND CHEMICAL PROPERTIES

Parameter	Test Method	Rosneft Plastex Lithium EP				
		00	0	1	2	3
Kinematic viscosity of base oil at 40 °C, mm²/s	GOST 33	150	150	150	150	150
Dropping point, °C, not less	GOST 6793	185	185	185	185	185
Penetration at 25 °C with stirring, 0.1 mm, within	GOST 5346	400-430	355-385	310-340	265-295	220-250
Colloidal stability, %, oil separation, not more	GOST 7142	45	35	25	15	12
Tribological characteristics at temp. (20 ± 5) °C on FBM: weld point N, not less wear scar diameter, mm, not more	GOST 9490	2500 0.5	2500 0.5	2500 0.5	2500 0.5	2450 0.5

LITOL-24



GREASE

NLGI GRADES

3

APPROVALS AND SPECIFICATIONS

DIN 51825: K 3 K-40

DESCRIPTION

Litol-24 is an industrial grease manufactured by thickening a mixture of mineral oils with technical lithium soaps of 12-hydroxystearic acid and the additives.

APPLICATION

Litol-24 is intended for use in most types of wheeled and track vehicles, industrial equipment and sea machinery.

PACKAGING



20 L 216 L

BENEFITS

- Temperature range from -40 °C to 120 °C (temporarily up to 130 °C)
- Year-round use in different climates
- Colloidal stability

PHYSICAL AND CHEMICAL PROPERTIES

Parameter	Test Method	Litol-24
Dropping point, °C	GOST 6793	197
Penetration at 25 °C with stirring, 0.1 mm	GOST 5346	239
Colloidal stability, %, oil separation	GOST 7142	10.1
Lubricating properties on FBM: - weld point, N - critical load, N - load wear index	GOST 9490	1880 630 29.3



+7 (499) 517-76-68

www.rosneft-lubricants.com

oil@rosneft.ru