G-Energy Expert DOT-4

G-Energy Expert DOT-4 is a high quality brake fluid for brake and clutch systems of vehicles of all modifications where DOT-4 compliant fluids are recommended.

Application

- G-Energy Expert DOT-4 is serviceable at ambient temperatures from minus 50ºC to plus 50ºC. Use in accordance with automobile manufacturers' instructions.

Standard physic-chemical characteristics

Indicators	Method	G-Energy Expert DOT-4
Appearance	GOST 2706.1, section 1	Transparent homogeneous liquid from light yellow to light brown color without sediment and visible mechanical impurities
Kinematic viscosity, mm²/s, at temperature: • minus 40±1ºC, max. • 100±1ºC, min.	GOST 33-2000, p. 4.2 STO	 1450 2
Low-temperature properties: liquid state after exposure at minus 40ºC for 144 h • appearance • air bubble transit time, s, max. • liquid condition after holding at minus 50ºC for 6 h. • bubble transit time, s, max.	п. 4.3 STO	 Transparent liquid without stratification or precipitation 5 Transparent liquid without stratification or precipitation 8
Dry equilibrium reflux boiling point (ERBP), ºC, min.	p. 4.4 STO	260
Wet equilibrium reflux boiling point (ERBP), ºC, min.	p. 4.5 STO	165
Stability at high temperature, boiling point change, ºC	p. 4.6 STO	± 5
Impact on rubber: 7-2462 grade rubber: at temperature plus 70ºC for 72 h • volume change, % • change in hardness, units. Shore A 51-1524 rubber: at temperature plus 125 ºC for 72h • volume change, % • change in hardness, units. Shore A • appearance of rubber after the test according to item 7	p. 4.7 STO	 0 – 10 minus 10 – 0 0 – 10 minus 15 – 0 Stickiness, bloating and flaking are not allowed
Hydrogen ion activity index (pH), units. pH, within limits	p. 4.8 STO	7,0 – 9,0

Gazpromneft-Lubricants Ltd.
14/3 Block A, Krzhizhanovskogo St., Moscow, 117218
Tel: +7 (495) 642-99-69
Fax: +7 (495) 921-48-63
E-mail: mailto:gazpromneft-cm@gazprom-neft.ru

The above data are typical for the products currently available. Due to ongoing research and development, the information contained in the document is subject to change. Information on the safe use of the product is contained in the Safety Data Sheet. More detailed information can be obtained from the company's technical specialists. E-mail: Techservice@gazprom-neft.ru. 12/2024

Interaction with metals at temperature 100ºC for 120 hours: change in mass of plates, mg/cm2,t max.: • white tin • aluminum D-16 • cast iron SCH25 • steel St10 • copper M1 • brass L63 state of metal plates after interaction with liquid plate appearance brake fluid condition : • appearance • hydrogen ion activity index (pH), units. pH, within the limits.	p. 4.9 STO	 0,1 0,1 0,1 0,1 0,2 0,2 Shells and roughness visible to the naked eye are not allowed. Slight discoloration (discoloration) is acceptable. No jelly formation or crystalline precipitation 7,0 -11,5
Water compatibility at minus 40ºC for 24h • appearance • bubble transit time, sec, not more, at temperature 60ºC for 24 hours • appearance	p. 4.10 STO	 Transparent liquid without stratification or precipitation 8 Transparent liquid without stratification
Evaporability mass fraction of volatiles, %, max. state of residue after evaporation of volatiles • at 23ºC • at minus 5ºC	p. 4.11 STO	 60 No solid particles Maintains mobility

Specifications:
ISO 4925; SAE J1703; SAE J1704; FMVSS 116; JSC AVTOVAZ; JSC GAZ; JSC KAMAZ; PAZ; UAZ.

Storage conditions:

Store away from sources of open flame, ensuring protection of the product from moisture and contamination.
The manufacturer guarantees the quality of brake fluid to the requirements of service stations if consumers comply with storage and transportation conditions.
Warranty period of storage of the fluid in the manufacturer's container is 3 years from the date of production.

The company's management system is certified in accordance with the international standards

ISO 9001 ISO 14001 ISO 45001

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