

LUKOIL GEYSER LT ZF 46

Multigrade zinc-free hydraulic fluid

MEETS REQUIREMENTS

DIN 51524-3 (HVLV); ISO 6743-4 (HV); ISO 11158 (HV)

PRODUCT DESCRIPTION

LUKOIL GEYSER LT ZF 46 is a multigrade hydraulic fluid with improved viscosity characteristics, ensuring stable operation of hydraulic systems at high pressure and different environmental conditions. It is made on the basis of high-quality base oil and multifunctional package of additives.

LUKOIL GEYSER LT ZF 46 has improved low-temperature, antioxidant, antiwear, anticorrosion and antifoaming properties.

LUKOIL GEYSER LT ZF 46 shows its advantages especially in hydraulic systems which operate in a wide range of temperatures and provides excellent performance and protection reducing to a minimum the formation of deposits at the same time even in conditions of increased waterlogging due to zinc-free additive package.

APPLICATION

LUKOIL GEYSER LT ZF 46 is recommended for use as a working fluid in modern high-performance hydraulic systems of mobile equipment, in hydraulic systems of stationary equipment, including systems using servo valves with small gaps. The liquid is particularly effective when used at low temperatures and provides maximum efficiency and system protection.

For a complete list of OEM approvals and recommendations, please contact LUKOIL Lubricants company technical support service.

BENEFITS

- Excellent anti-oxidation and anticorrosion properties
- Excellent thermal-oxidative stability
- Excellent seal compatibility
- Provides superior antiwear properties
- Great air separation ability
- Extended oil life while maintaining service properties

The product name in an order:

Hydraulic fluid LUKOIL GEYSER LT ZF 46, STO 79345251-186-2019

TYPICAL TEST DATA

PROPERTY	Test methods	LUKOIL GEYSER LT ZF 46
Density at 20 °C, kg/m ³	GOST 3900 / GOST R 51069 / ASTM D1298 / ASTM D4052	851
Kinematic viscosity at 40 °C, mm ² /s	ASTM D445	45.75
Kinematic viscosity at 100 °C, mm ² /s	ASTM D445	8.26
Dynamic viscosity at -20°, mPa·s	ASTM D 2983	1,963
Dynamic viscosity at -30°, mPa·s	ASTM D 2983	7,470
Dynamic viscosity at -40°C, mPa·s	ASTM D 2983	35,916
Viscosity index	ASTM D2270	163
Flash Point, COC, °C	ASTM D92	241
Pour Point, °C	GOST 20287 B	-46
Air release, min	ASTM D3427 / ISO 9120	6.1
Foaming (tendency/stability):		
-at 24 °C	ASTM D892	0/0
-at 94 °C		0/0
-at 24 °C after test at 94 °C		0/0
Copper corrosion (3 h, 100°C)	ASTM D 130	1b
Water separability at 54 °C		
-time for separation, min	ASTM D1401 / ISO 6614	5
-volume of lays (oil-water-emulsion), ml		40-40-0

The information given in the typical data does not constitute a specification but is an indication based on current production and can be affected by allowable production tolerances. The right to make modifications is reserved by OOO "LLK-International"