

## LUKOIL VMGZ (-60)

### Multigrade hydraulic oil

#### Product description

Multigrade hydraulic oil produced on the basis of low-viscosity low-pour-point base stocks and a multifunctional additive package that provides necessary antioxidant, anti-wear, viscous, anticorrosive, low-temperature and anti-foam properties. Allows to expand geography of reliable fleet operations, to ensure hydraulic system start-up without preheating and 24-hour operation of hydraulic equipment in northern and north-eastern regions without seasonal oil changes.

#### Application

Designed for all-year performance in hydraulic drives and systems of construction, road, forestry, lifting, hauling, and other machinery which operate outdoor in Far North, Siberia, and Far East regions, as well as winter hydraulic oil in temperate climate zones within the range from -55 to +50 °C depending on used pumps. Short time oil heating is permitted to +80 °C.

#### Benefits

##### LOW POUR POINT

Effectively protects hydraulic systems even at extremely low temperatures

##### CORROSION PROTECTION

Excellent anti-oxidation and anticorrosion properties

##### HIGH DEMULSIBILITY

Easy separation from water

##### EXCELLENT SEAL COMPATIBILITY

Compatible with most elastomers types

The product name in an order: Multigrade hydraulic oil LUKOIL VMGZ (-60), STO 79345251-320-2022

#### Typical test data

The information given in the typical data does not constitute a specification and can be affected by allowable production tolerances. The right to make modifications is reserved by OOO «LLK-International»

Property	Test methods	Value
Density at 20 °C, kg/m <sup>3</sup>	ASTM D1298 / ASTM D4052	846
Kinematic viscosity at 50°C, mm <sup>2</sup> /s	GOST 33	10.4
Kinematic viscosity at -40 °C, mm <sup>2</sup> /s	ASTM D445 / GOST 33 / GOST R 53708	1,219
Viscosity index	ASTM D2270	272
Flash Point, COC, °C	ASTM D92	160
Pour Point, °C	GOST 20287 B	-70
Ash content, %	GOST 1461/ ISO 6245 / ASTM D482	0.16