

# LUKOIL GEYSER LT 32, 46, 68

## Multigrade Hydraulic Oils

### APPROVALS

**Denison** HF-0, HF-1, HF-2  
**Amco Veba** (ISO 32)  
**Joy Mining Machinery** (ISO 46, 68)  
**Bosch Rexroth** 90220  
**BelAZ** (ISO 46)  
**PALFINGER**

### MEETS REQUIREMENTS

**DIN 51524** part 3 (HVLP)  
**Cincinnati Machine** P-68/69/70  
**Vickers** I-286-S Industrial Equipment  
**Vickers** M-2950-S Mobile Equipment

### PRODUCT DESCRIPTION

**LUKOIL GEYSER LT 32, 46, 68** are multigrade hydraulic oils with excellent flow characteristics especially at low temperatures.

**LUKOIL GEYSER LT 32, 46, 68** are manufactured using high quality mineral oil and multipurpose additive package. These oils offer improved oxidative stability as well as low temperature, antiwear, anticorrosion and foam suppression properties.

**LUKOIL GEYSER LT 32, 46, 68** are especially effective in hydraulic systems where only negligible viscosity changes are allowed within wide range of operation temperatures.

### APPLICATION

**LUKOIL GEYSER LT 32, 46, 68** are recommended for use as service fluid in modern hydraulic systems of mobile equipment, forest machines, road machinery, forklifts, cranes. The oils are also applicable in hydraulic systems of stationary equipment which operates in unheated rooms or outdoor year-round where oil with stable viscosity-temperature properties are required.

**LUKOIL GEYSER LT 46** has been approved for application in BelAZ dump trucks hydraulic system in summer season. **LUKOIL GEYSER LT 22** has been approved for winter operation.

**LUKOIL GEYSER LT** series oils include the following ISO viscosity grades: 22, 32, 46, 68, 100.

Product is manufactured according to TU 0253-010-79345251-2008 (as mod. 1-8)

## TYPICAL TEST DATA

PROPERTY	Units	Test method	LUKOIL GEYSER LT		
			32	46	68
Density at 20 °C	kg/m <sup>3</sup>	ASTM D 4052	853	866	876
Kinematic viscosity:					
at 40 °C	mm <sup>2</sup> /s	ASTM D 445	31.8	44.47	63.25
at 100 °C	mm <sup>2</sup> /s	ASTM D 445	6.43	8.18	10.78
at -20 °C	mm <sup>2</sup> /s	ASTM D 445	1,451	2,156	5,280
Viscosity index			165	160	162
Flash point, COC	°C	DIN EN ISO 2592	232	235	236
Pour Point	°C	DIN ISO 3016	-46	-43	-40
Foam Test					
Sequence I (at 24°C)	sm <sup>3</sup>	ASTM D 892	0/0	0/0	0/0
Sequence II (at 93.5°C)			10/0	20/0	20/0
Sequence III (at 24°C, after test at 93.5°C)			0/0	0/0	0/0
Air Release at 50 °C	sec	IP 313	96	144	372
Water Separation. Time to 3 ml emulsion at 54 °C	sec	ASTM D 1401	652	292	848
Wear Protection, FZG A/8.3/90	failure load stage	DIN ISO 14635-1	11	12	11
ISO dry filtration:					
-Stage 1	%	ISO 13357-2	90.0	95.6	89.9
-Stage 2	%		77.8	84.7	84.4
ISO wet filtration:					
-Stage 1	%	ISO 13357-1	76.1	76.2	83.1
-Stage 2	%		50.6	52.5	71.5
Elastomer Compatibility SRE-NBR1, 168 h, at 100 °C:					
- volume change	%	DIN ISO 1817	5	6.4	7.1
- Shore hardness A	Type A scale		-1	-3	-3

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".