

LUKOIL STEELO

High Quality Oils for Industrial Gearboxes and Bearings

APPROVALS

Flender revision 13 (ISO VG 150, 220, 320, 460)
JSC «AVTOVAZ» (ISO VG 100, 150, 220, 460, 680)
CJSC «Reduktor» (ISO VG 100, 150, 220, 320, 460, 680)
Danieli (ISO VG 150, 220, 320, 460, 680)
REXAM (ISO VG 150)
BATTENFELD (ISO VG 220)
Wikov
Krauss Maffei Berstorff (ISO VG 68, 150, 220, 460, 680)
FLOWERVE (ISO VG 68)
FELUWA Pumpen (ISO VG 220, 320)
LAEIS (ISO VG 100, 220)
Eickhoff
Santasalo (ISO VG 150, 220, 320, 460, 680)
Kopex Machinery (ISO VG 150, 220, 320, 460)

ThyssenKrupp AG Mining Systems (ISO VG 100, 150, 220, 320, 460, 680)
ALTA (ISO VG 68, 100, 150)
Henschel (ISO VG 320, 460)
Montanari (ISO VG 220, 320)
Knodler (ISO VG 220, 320)
Eisenbeiss (ISO VG 100, 150, 220, 320, 460, 680)
SMT Scharf (ISO VG 68, 100)
Bornemann (ISO VG 150)
FLSmidth MAAG Gear AG (ISO VG 150, 220, 320, 460)
Roscor type MR (ISO VG 150)

MEETS REQUIREMENTS

DIN 51517-3 CLP
AGMA 9005-EO2 (EP)
David Brown SEB 181226
AIST 224

PRODUCT DESCRIPTION

LUKOIL STEELO is high quality oils for heavy loaded industrial gearboxes.

LUKOIL STEELO offers excellent performance due to carefully selected highly refined base stocks with high viscosity index and special additive package containing sulfur and phosphorus. Optimal ratio of EP properties and anti-friction capacities allow using

LUKOIL STEELO oils effectively in various components and units of industrial equipment.

APPLICATION

LUKOIL STEELO is recommended for industrial gearboxes and units with steel gears, where EP oils are required. The applications include bearings, wheel, worm and screw gears in different industrial equipment, as well as oil circulation and mist and splash lubricating systems.

The product name in an order:

Industrial Gear oil LUKOIL STEELO 68, TU 0253-015-79345251-2008
 Industrial Gear oil LUKOIL STEELO 100, TU 0253-015-79345251-2008
 Industrial Gear oil LUKOIL STEELO 150, TU 0253-015-79345251-2008
 Industrial Gear oil LUKOIL STEELO 220, TU 0253-015-79345251-2008
 Industrial Gear oil LUKOIL STEELO 320, TU 0253-015-79345251-2008
 Industrial Gear oil LUKOIL STEELO 460, TU 0253-015-79345251-2008
 Industrial Gear oil LUKOIL STEELO 680, TU 0253-015-79345251-2008

TYPICAL TEST DATA

PROPERTY	Test method	LUKOIL STEELO							
		68	100	150	220	320	460	680	
ISO VG		68	100	150	220	320	460	680	
Density at 20 C, kg/m ³	GOST 3900 / ASTM D4052	887.4	888.7	891.7	891.1	898.3	904.3	911.7	
Kinematic viscosity at 40 C, mm ² /s	GOST 33 / ASTM D445	67.9	100	151.5	212.4	327.4	461.8	648.5	
Kinematic viscosity at 100 C, mm ² /s	GOST 33 / ASTM D445	8.6	10.9	14.4	17.9	23.8	29.6	44.4	
Viscosity index	GOST 25371 / ASTM D2270	95	93	92	91	93	93	92	
Flash Point, COC, C	GOST 4333 / ASTM D92	237	249	244	254	266	272	284	
Tribological properties on four-ball machine: -Index of load wear, N (kgf)	GOST 9490	431.2 (44)	481.5 (49.1)	484.4 (49.4)	448 (46)	444 (45)	523 (53)	523 (53)	
Tribological properties on four-ball machine: -Wear scar diameter, mm	GOST 9490	0.31	0.32	0.33	0.32	0.32	0.35	0.34	
Pour Point, C	GOST 20287 B	-25.4	-25.9	-22	-19.5	-17.6	-15.8	-18.5	

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".