

LUKOIL STABIO

Compressor Oils

APPROVALS

ATMOS Chr6st
JSC "UKZ" (Ural Compressor Plant) (ISO VG 220)
OAO "Kompressorniy zavod Borets" (ISO VG 220)
TM.C. S.p.A. – Termomeccanica Compressori
Rotorcomp Verdichter GmbH (ISO VG 46, 68)
PJSC "Sumy Machine-Building Science and Production Association" (Sumy Frunze NPO) (ISO VG 68, 150, 220)
OOO "Chelyabinsk compressor plant" (ISO VG 46)

MEETS REQUIREMENTS

DIN 51506 (VDL)
ISO 6743

PRODUCT DESCRIPTION

LUKOIL STABIO series oils are high quality mineral compressor oils which are designed to meet the latest requirements to lubricants for modern oil-filled high power air and/or natural gases screw, rotary and piston type compressors of the leading manufacturers when used for severe operation. The oil can also be used in circulation systems for lubrication of plain and rolling bearings at elevated operation temperatures. Wide range of ISO viscosity grades (ISO VG 46-220) helps to choose optimal solution for exact compressor considering its operation status and duty cycle.

LUKOIL STABIO series oils are based on high quality solvent refined base stocks and high effective additive package ensuring good

protection against oxidation, wear and foaming and possess good seals compatibility. The oils also help to reduce sludge formation in compressor discharge lines.

LUKOIL STABIO oils possess excellent performance and significantly exceed GOST requirements enabling compressor operation over wide operating temperature range in severe conditions.

APPLICATION

LUKOIL STABIO oils are used in the following applications:

- air and/or natural gases screw, rotary and piston type compressors with maximum temperature of final compression stage not more than 220 °C (at fitting).
- circulation systems at elevated operation temperatures

The product name in an order:

Compressor oil LUKOIL STABIO 46, STO 79345251-018-2009
 Compressor oil LUKOIL STABIO 68, STO 79345251-018-2009
 Compressor oil LUKOIL STABIO 100, STO 79345251-018-2009
 Compressor oil LUKOIL STABIO 150, STO 79345251-018-2009
 Compressor oil LUKOIL STABIO 220, STO 79345251-018-2009

TYPICAL TEST DATA

PROPERTY	Test method	LUKOIL STABIO				
		46	68	100	150	220
Density at 15°C, kg/m ³	GOST R 51069 / ASTM D4052 / ASTM D1298	878.5	882,6	887.7	891.1	897.3
Kinematic viscosity at 100 °C, mm ² /s	GOST 33 / ASTM D445	6.8	8,6	11.6	14.9	19.1
Kinematic viscosity at 40 °C, mm ² /s	GOST 33 / ASTM D445	46.7	68.2	107.8	159.1	227.7
Flash Point, COC, °C	GOST 4333 / ASTM D92	231	258	258	265	278
Pour Point, °C	GOST 20287 B	-34	-30	-28	-26	-22
Tribological properties on four-ball machine: -Wear scar diameter (1h, 196 N, 20°C), mm	GOST 9490	0.30	0.32	0.29	0.31	0.31

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".