

ANDEROL FG XL 46

H1 High Performance Food Grade Compressor Lubricant

Product Data Sheet



ANDEROL FG XL 46 is a next generation synthetic compressor oil based on a mixture of specially selected non-toxic synthetic polyalphaolefins combined with a high performance additive technology. This advanced formulation provides additional detergency properties preventing lacquer and varnish formation.

ANDEROL FG XL 46 meets the lubrication requirements of air compressors running in food processing plants.

ANDEROL FG XL 46 meets or exceeds DIN 51506 - VDL

ANDEROL FG XL 46 is NSF/H1 registered. The product is certified Kosher by the Orthodox Union and Halal by the Islamic Food Council of Europe.

ANDEROL FG XL range is available in the grades ISO VG 15, 32, 46, 68, 100 and 150.

ADVANTAGES / BENEFITS

- Fewer oil changes
- Compatible with compressor seals, gaskets, hoses and system components
- Reduced varnish, lacquer and deposits
- Less maintenance intervals
- Lower oil consumption
- Excellent anti-wear properties
- Rust and oxidation inhibited
- Good water separation

COMPATIBILITY

ANDEROL synthetic hydrocarbon based lubricants are similar to mineral oils in their compatibility with paints, seals, gaskets and hoses. No special precautions related to compatibility are required when changing over from a mineral oil lubricant to an **ANDEROL** synthetic hydrocarbon based lubricant.

This product was tested and found compatible to be used in ammonia systems.

APPLICATION

Recommended for use in rotary-screw compressors and other rotating equipment applications where incidental food contact may occur.

Nominal Operating Range is -35/-40°C to 170°C.

PROPERTIES	TEST METHOD	ANDEROL FG XL 46
Appearance @ 20°C	Visual	Clear colorless to light yellow liquid
Viscosity @ 40°C, cSt	ASTM D-445	45.7
Viscosity @ 100°C, cSt	ASTM D-445	7.8
Viscosity Index	ASTM D-2270	140
Density @ 15°C, kg/l	ASTM D-1298	0.839
Total Acid Number, mg KOH/g	ASTM D-664	0.09
Flash Point, COC, °C	ASTM D-92	235
Pour Point, °C	ASTM D-97	-57
Demulsibility @ 54°C, min	ASTM D-1401	10
Sulphated ash	DIN 51575	0.04
%CRC of 20% dest	DIN 51536	0.009

FOR MORE INFORMATION PLEASE REFER TO THE RELEVANT MATERIAL SAFETY DATA SHEET

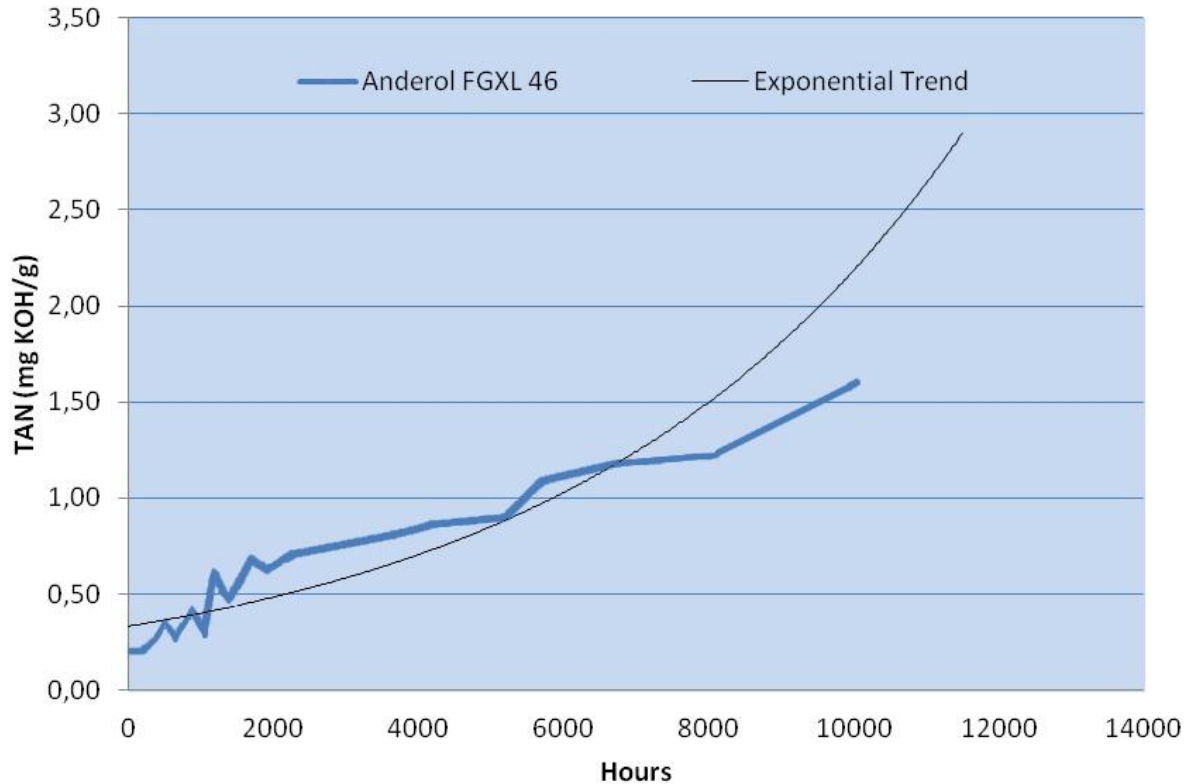
APPROVALS / REGISTRATIONS



The **TOST** is the standard test method for Oxidation Characteristics of Oils (ASTM D943). It is summarized by ASTM as such:

The oil sample is contacted with oxygen in the presence of water and an Iron-copper catalyst at 95C. The test continues until the measured Acid Number of the oil 2.0 mg KOH/g or above. The number of test hours required to reach the 2.0 mg KOH/g is the "oxidation lifetime".

TOST Anderol FGXL 46



ANDEROL BV
Groot Egtenrayseweg 23
5928 PA VENLO
The NETHERLANDS
Tel No.: +31 (0)77 396 03 40
Fax No.: +31 (0)77 396 03 49
www.anderol-europe.com

This information is furnished without warranty, representation, inducement, or license of any kind except that it is accurate to the best of OUR knowledge or obtained from sources believed by ANDEROL to be accurate. ANDEROL does not assume any legal responsibility for use of reliance upon it. Only Chemists or chemically qualified lab technicians should carry out tests. Before using any chemicals, read its label and Material Safety Data Sheet.