

ANDEROL PRODUCT DATA SHEET

ANDEROL FGC SERIES

SYNTHETIC FOOD MACHINERY COMPRESSOR OILS

GENERAL INFORMATION

The ANDEROL FGC Series are synthetic hydrocarbon (PAO) based food machinery compressor lubricants meeting the former USDA H1 requirements and can be used where incidental food contact may occur. The formulations contain special additives that impart good thermal and oxidative stability to keep compressor components clean. The ANDEROL FGC Series is registered H1 with NSF International. The products have been certified as Kosher by the Orthodox Union and Halal by INFANCA.

ANDEROL Food Machinery Lubricants meet the requirements of the FDA regulation 21 CFR 178.3570.

TYPICAL PROPERTIES:

PROPERTIES	TEST METHOD	ANDEROL FGC 15	ANDEROL FGC 32	ANDEROL FGC 46	ANDEROL FGC 68	ANDEROL FGC 100	ANDEROL FGC 150
ISO Viscosity Grade		15	32	46	68	100	150
Viscosity @ 40 °C, cst	ASTM D-445	17.0	30.9	47.0	64.2	99.0	156
Viscosity @ 100 °C, cst	ASTM D-445	3.88	5.87	7.88	9.89	13.5	19.0
Specific Gravity @ 15.6 °C	ASTM D-4052	0.82	0.83	0.83	0.84	0.84	0.85
Pour Point, °C	ASTM D-97	-60	-57	-57	-57	-54	-36
Flash Point, °C	ASTM D-92	240	255	273	250	273	285
Evaporation 22 hrs @ 99 °C, %	ASTM D-130	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Copper Corrosion	ASTM D-130	1a	1a	1a	1a	1a	1a
Demulsibility @ 54 °C ml oil/water/emulsion (min)	ASTM D-1401	40/40/0 (<30)	40/40/0 (<30)	40/40/0 (<30)	40/40/0 (<30)	40/38/2 (<30)	40/40/0 (<30)
Four-Ball Wear 1200 rpm, 75 °C, 40 kg, 1hr, mm	ASTM D-4172	0.6	0.4	0.4	0.4	0.4	0.4

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For more information please refer to the relevant Material Safety Data Sheet accompanying each product.

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APPLICATIONS

Recommended for use in rotary-screw or reciprocating compressors, depending on ISO grade, in applications where incidental food contact may occur with the oil in discharge air.

Nominal Operating Range is -35°C to 175°C , depending on application and ISO grade.

ADVANTAGES

- Fewer oil changes
- Reduced compressor maintenance
- Rust and oxidation inhibited
- Long life without gumming or discoloring
- Reduced fire and explosion hazard
- Reduced varnish lacquering and deposits
- Excellent anti-wear properties
- Lower oil consumption
- Formulated with synthetic hydrocarbons
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COMPATABILITY

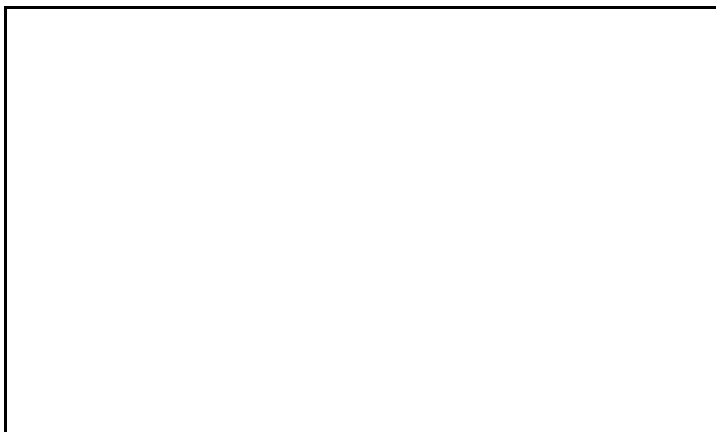
ANDEROL synthetic hydrocarbon based lubricants are similar to mineral oils in their compatibility with paints, seals, gaskets, hoses, and other air system components. No special precautions related to compatibility are required when changing over from a mineral oil lubricant to an ANDEROL synthetic hydrocarbon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

APPROVALS

ANDEROL and PQ[®] Food Machinery Lubricants are approved, recommended, and field tested by many OEM's in the food processing, baking, bottling, canning, meat processing, and pharmaceutical industries.

NSF International lists ANDEROL and PQ food machinery lubricants under "USDA Regulations, Proprietary Substances and Nonfood Compounds" (See WWW.NSF.ORG). ANDEROL food machinery lubricants also meet the certification requirements recommended by the National Lubricating Grease Institute (NLGI) and the European Lubricating Grease Institute (ELGI).

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