

ANDEROL PRODUCT DATA SHEET

ANDEROL® 500

SYNTHETIC COMPRESSOR OIL (ISO 100)

GENERAL INFORMATION

ANDEROL 500 is an ISO 100 diester-based lubricant designed to provide high temperature and long-term lubrication with minimal deposit formation.

ANDEROL 500 is rated H2 for use in food processing plant applications.

TYPICAL PROPERTIES:

SALES SPECIFICATIONS				
PROPERTY	TEST METHOD	MIN	MAX	TYPICAL RESULTS
Viscosity @ 40°C, cSt	ASTM D-445	90	110	98.8
Viscosity @ 100°C, cSt	ASTM D-445	---	---	10.4
Pour Point, °C	ASTM D-97	---	-25	-35
Flash Point, °C	ASTM D-92	230	-	240
Specific Gravity, 15.6°C	ASTM D-4052B	0.95	0.97	0.96

ADDITIONAL INFORMATION		
PROPERTY	TEST METHOD	TYPICAL RESULTS
Autoignition Temperature, °C	ASTM E-659	410
Conradson Carbon Residue, %	ASTM D-189	0.02
Evaporation, 22 hrs @ 99°C, %	ASTM D-972	<1.0
Copper Strip Corrosion, 3 hrs @ 100°C	ASTM D-130	1a
Demulsibility @ 54°C, ml oil/water/emulsion (minutes)	ASTM D-1401	39/38/3 (<60)
Four-Ball Wear, 1200 rpm, 75°C, 40 kg, 1 hr, mm	ASTM D-4172	0.8

APPLICATIONS

Cylinder and crankcase lubrication for reciprocating compressors and vacuum pumps for the following gases:

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

ANDEROL 500

Air	Butadiene	Carbon Dioxide (dry)	Carbon Monoxide
Ethylene	Furnace (crack) Gas	Helium	Hydrogen
Hydrogen Sulphide (dry)	Methane	Natural Gas	Nitrogen
Propane	Synthesis Gas	Sulphur Hexafluoride	

ANDEROL® 500 may also be considered for other applications requiring an oxidation resistant lubricant.

Nominal Operating Range is -15°C to 210°C (5°F to 410°F).

ADVANTAGES

- Fewer oil changes
- Reduces compressor maintenance
- Greatly reduces fire and explosion hazard
- Separates water condensate rapidly
- Lower oil consumption
- Eliminates lacquering and deposits
- Reduces energy consumption

APPROVALS

ANDEROL synthetic lubricants are the only long-life synthetic lubricants with over 30 years of successful performance. They are field tested, approved or recommended by major compressor manufacturers. Should you have any questions regarding the suitability of ANDEROL® 500 compressor lubricant for a specific manufacturer's model compressor, please check with your ANDEROL lubricant supplier or contact Anderol Company.

COMPATIBILITY

The following seals, paints, and plastics are recommended for use in contact with Anderol Company Synthetic Lubricants. Materials not recommended are also shown. For more information on other materials, see our "Compatibility Guide."

RECOMMENDED - Viton, High Nitrile Buna N, Teflon, Epoxy Paint, Oil-Resistant Alkyd, Nylon, Delrin, Celcon, PBT

NOT RECOMMENDED - Neoprene, SBR Rubber, Low Nitrile Buna N, Acrylic Paint, Lacquer, Polystyrene, PVC, ABS

A500c: 9/28/01 eb



ANDEROL®
Specialty Lubricants

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