

ANDEROL PRODUCT DATA SHEET

ANDEROL® 456

SYNTHETIC LUBRICATING OIL

GENERAL INFORMATION

ANDEROL 456 (ISO Grade 32) is a synthetic diester-based lubricant, which is formulated, to provide excellent lubrication over a wide temperature range, resist gumming and deposit formation and to minimize wears.

TYPICAL PROPERTIES:

SALES SPECIFICATIONS				
PROPERTY	TEST METHOD	MIN	MAX	TYPICAL
Viscosity @ 40°C, cSt	ASTM D-445	28.8	35.2	31.6
Viscosity @ 100°C, cSt	ASTM D-445	7.0	8.0	7.7
Flash Point, °C	ASTM D-92	220	-	232
Pour Point, °C	ASTM D-97	-	-54	-59
Specific Gravity, 60°F (15.6°C)	ASTM D-1480	0.915	0.945	0.94

ADDITIONAL INFORMATION		
PROPERTY	TEST METHOD	RESULTS
ISO Viscosity Grade	ASTM D 2422	32
SAE Viscosity Grade	SAE J 300	20
Viscosity, 100°F, SUS	ASTM D 2161	160.3
210°F, SUS	ASTM D 2161	51.9
-35°F, cSt	ASTM D 445	8,000
Viscosity Index	ASTM D 2270	228
Evaporation, 22 hrs @ 210°F (99°C), % loss	ASTM D 972	0.8
22 hrs @ 300°F (149°C), % loss		2.4
Copper Strip Corrosion, 24 hrs @ 212°F (100°C)	ASTM D 130	1a
Four-Ball Wear, 1200 rpm, 167°F (75°C), 40 kg, 1 hour, mm	ASTM D 2266	0.4
Four-Ball EP, Weld Point, kg	ASTM D 2783	160
Density, lbs/gallon	ASTM D 1250	7.83

ANDEROL 456

®ANDEROL is a reg. trademark of ANDEROL COMPANY.

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

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 chemical, read its label and Material Safety Data Sheet.

APPLICATIONS

- Impregnating fluid for sintered metal bearings, parts, & wicks
- Office, computing, and accounting machinery
- Measuring and dispensing pumps and meters
- Low temperature oil
- Gear lubrication (light duty)
- Mechanical spring and actuator mechanisms
- Anti-friction bearings
- General purpose light to medium viscosity lubricating oil
- Mold and die release agent
- Speed reducers

ADVANTAGES

- o Excellent oxidation resistance
- o Reduces friction for low-wear rates
- o Good load carrying
- o Nominal operating temperature range of -50° to 350°F (-45°C to 175°C)
- o Excellent corrosion protection

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

A456b: 1/31/02eb



ANDEROL®
Specialty Lubricants

ANDEROL COMPANY
PO Box 518, 215 Merry Lane
East Hanover, New Jersey USA
Tel: 888-ANDEROL
Or Tel: (973) 887-7410
Fax: (973) 884-3825
E-mail: info2@anderol.com