

# **ANDEROL® 456**

## **SYNTHETIC LUBRICATING OIL**

### **DESCRIPTION**

**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 wear.

### **APPLICATIONS**

- Impregnating fluid for sintered metal bearings, parts, & wicks
- Office, computing, and accounting machinery
- Measuring and dispensing pumps and meters
- 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**

- Excellent oxidation resistance
- Reduces friction for low-wear rates
- Good load carrying
- Nominal operating temperature range of -22° to 374°F (-30°C to 190°C)
- Excellent corrosion protection

## TYPICAL PROPERTIES

PROPERTIES	TEST METHOD	ANDEROL <sup>®</sup> 456
Viscosity, cSt		
@ 40 °C	ASTM D 445	34.0
@ 100 °C	ASTM D 445	7.9
Viscosity Index	ASTM D 2270	228
Pour Point, °C	ASTM D 97	-57
Flash Point, COC, °C	ASTM D 92	231
Specific Gravity, 15.6 °C (60 °F)	ASTM D 4052B	0.93
Density, lbs/gal, 15.6 °C (60 °F)	ASTM D 1250	7.78
Copper Strip Corrosion, 24 hrs @ 100 °C (212 °F)	ASTM D 130	1a
Evaporation, 22 hrs @ 99 °C (210 °F), % loss	ASTM D 972	0.8
Evaporation, 22 hrs @ 149 °C (300 °F), % loss	ASTM D 972	2.4
Four-Ball Wear, 1200 rpm, 167 °F (75 °C), 40 kg, 1 hour, mm	ASTM D 4172	0.4
Four-Ball EP, Weld Point, kg	ASTM D 2783	160

## COMPATIBILITY

The following seals, paints, and plastics are recommended for use in contact with Anderol Specialty Lubricants. Materials not recommended are also shown.

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

## PACKAGING

**ANDEROL 456** is available in 5-gallon pails and 55-gallon drums. Other packages may be available upon request.

A456:Jul2010REV

The information contained herein relates to a specific Chemtura product and its use, and is based on information available as of the date hereof. Additional information relating to the product can be obtained from the pertinent Material Safety Data Sheets. Nothing in this Technical Data Sheet constitutes a term or condition of sale nor shall it take precedence over, supersede or modify or be construed to take precedence over, supersede or modify, any of Chemtura's standard or other terms and conditions of sale under which the product is sold by Chemtura. NOTHING IN THIS TECHNICAL DATA SHEET CONSTITUTES, NOR SHALL IT BE CONSTRUED TO CONSTITUTE, A REPRESENTATION OR WARRANTY, EXPRESS OR IMPLIED, REGARDING THE PRODUCT'S CHARACTERISTICS, USE, QUALITY, SAFETY, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Nothing contained herein shall constitute permission or recommendation to practice any intellectual property without the permission of the owner. This product is sold only under terms and conditions agreed in writing by Chemtura and the respective buyer and the terms and conditions of such agreements shall in all cases prevail. ANDEROL, ROYCO, AOSyn and PQ and their corresponding logos are trademarks of Chemtura Corporation or one of its subsidiaries. Copyright (c) 2010 Chemtura Corporation. All rights reserved.



Anderol Specialty Lubricants  
a division of Chemtura Corporation  
215 Merry Lane  
East Hanover, New Jersey 07936  
Technical Service +1.973.887.7410  
Customer Service +1.203.573.4595  
Fax +1.203.573.2324  
info-anderol@chemtura.com  
[www.anderol.com](http://www.anderol.com)