



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

### APPLICATION

- 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
- General-purpose low viscosity lubricating oil
- Anti-friction bearings
- Mold and die release agent
- Speed reducers

### 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.

### ADVANTAGES

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

### APPROVALS

Meets both Mil-PRF-6085D and BOEING BMS 3-7C specifications.

## ADDITIONAL INFORMATION 456

PROPERTIES	TEST METHOD	TYPICAL RESULTS
ISO Viscosity Grade	ASTM D-2422	32
SAE Viscosity Grade	SAE J 300	20
Viscosity 100 °F, SUS	ASTM D-2161	160.3
Viscosity 210 °F, SUS	ASTM D-2161	51.9
Viscosity -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
Evaporation, 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 hr, mm	ASTM D-2266	0.4
Four-Ball EP, Weld Point, kg	ASTM D-2783	160
Density, lbs/gallon	ASTM D-1250	7.83

SALES SPECIFICATIONS 456				
PROPERTIES	MIN	MAX	TEST METHOD	TYPICAL RESULTS
Viscosity @ 40°C, cSt	28.8	35.2	ASTM D-445	31.6
Viscosity @ 100°C, cSt	7.0	8.0	ASTM D-445	7.7
Flash Point °C	220	-	ASTM D-92	232
Pour Point °C	-	-54	ASTM D-97	-59
Specific Gravity, 60°F (15.6°C)	0.915	0.945	ASTM D-1480	0.94

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

**APPROVALS / REGISTRATIONS**



**ANDEROL BV**  
 Punterweg 21 A  
 6222 NW MAASTRICHT  
 The NETHERLANDS  
 Tel No.: +31 (0)43 352 41 90  
 Fax No.: +31 (0)43 352 41 99  
[www.anderol-europe.com](http://www.anderol-europe.com)

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