

AEON-BIO

BIODEGRADABLE ROTARY SCREW AIR COMPRESSOR FLUID

TECHNICAL DATA SHEET

PRODUCT DESCRIPTION

AEON-BIO is a custom blended polyolester (POE) long life synthetic lubricant. It is ideal for rotary screw air compressor applications where oil is exposed to elevated temperatures for extended periods of time. Accelerated tests show **AEON-BIO** has at least four times the life of conventional diester oils.

AEON-BIO family products are especially advantageous in high temperature applications. They do not leave varnish or sludge when they oxidize like polyalphaolefin (PAO) or mineral oil based products do.

AEON-BIO is readily **BIODEGRADABLE**. Small amounts of this oil spilled or leaked onto the ground will not adversely affect the environment. Disposal of this fluid should be done in accordance with Local, State, and Federal regulations.

AEON-BIO's high quality base stocks coupled with state-of-the-art additive technology results in performance improvements beyond mineral oil and other synthetic air compressor lubricants.

Among these are:

- Extremely low volatility
- Outstanding low temperature properties
- Excellent corrosion protection
- Excellent oxidative stability
- Exceptional thermal stability
- Superior demulsibility
- Good natural lubricity
- Better gas-lubricant separation (better coalescing)

TYPICAL PROPERTIES*

Viscosity, ASTM D-445	
40°C, cSt	43.5
100°C, cSt	7.3
100°F, cSt.....	47.8
210°F, cSt.....	7.5
Viscosity Index, ASTM D-2270	132
Flash Point °F (°C)	545 (285)
Fire Point °F (°C).....	600 (316)
Pour Point °F (°C)	-40 (-40)
4 Ball Wear Scar	0.43
Specific Gravity	0.972
Density, Lbs/Gal	8.11
Demulsibility, ml water/ml oil/ml emulsion	40/40/0**
Biodegradability (CEC L-33-T-82)	86.6%

* These values are not intended for use in preparing specifications.

** Complete separation occurred after 1 minute 45 seconds.