



Bart & Associates

INDUSTRIAL EQUIPMENT & SUPPLIES

I-32 PEP and I-46 PEP

POLYOL ESTER LONG-LIFE COMPRESSOR LUBRICANTS

Applications:

I-32 PEP and I-46 PEP are fully synthetic and have been formulated from premium polyol ester (POE) base fluids to achieve long life for compressor applications. These products are greater than 90% biodegradable as measured by the CEC L33 biodegradability test. New additive technology assures long lasting protection.

I-32 PEP and I-46 PEP are designed for rotary screw compressors with a long service life of 10,000 – 12,000 hours under good operating conditions.

Typical Industrial Applications:

- Rotary Screw Compressors
- Rotary Vane Compressors
- Reciprocating Compressors
- Centrifugal Compressors
- Vacuum Pumps

Performance Benefits:

- Same base fluid as used in jet aviation (Polyol ester)
- Superior to petroleum, PAO, or synthetic diesters
- Outstanding thermal stability
- Built in detergency action
- Extended drain intervals reduces oil disposal, thus increasing cost effectiveness
- Generally recognized as being biodegradable and virtually nontoxic
- Caution: May affect some paint finishes, plastics and seals

TYPICAL PROPERTIES	TEST METHOD	I-32 PEP	I-46 PEP
ISO Grade	ASTM D2422	32	46
Viscosity @ 40°C,cSt	ASTM D445	34.4	48.5
Viscosity @ 100°C,cSt	ASTM D445	6.0	7.7
Viscosity Index	ASTM D2270	119	125
Flash Point, °C/°F	ASTM D92	252/485	271/520
Pour Point, °C/°F	ASTM D97	-57/-70	-51/-60
Copper Corrosion	ASTM D130	1a	1a
Foaming Sequences I, II, III	ASTM D892	Nil	Nil
Demulsibility	ASTM D1401	Excellent	Excellent
Evaporation, %	ASTM D972	0.13	0.10
Carbon Residue, %	ASTM D189	<0.01	<0.01
Specific Gravity	ASTM D1298	1.01	0.97