



Synthetic Ester Compressor Oil

PRODUCT DESCRIPTION

Bel-Ray® Synthetic Ester Compressor Oil, commonly known as Bel-Ray DEB Compressor Lubricant, is a high performance, heavy-duty, synthetic, diester-based compressor oil. Synthetic Ester Compressor Oil offers high deposit solvency and will eliminate deposits formed by conventional compressor oils. Synthetic Ester Compressor Oil will also prevent the formation of new deposits. The proprietary rust and oxidation inhibitors utilized in Synthetic Ester Compressor Oil allow for extended drain intervals and extended component life. In addition, Synthetic Ester Compressor Oil has excellent anti-wear properties, rust protection, exceptional water separability characteristics, and anti-foaming additives.

PRODUCT FEATURES

- Wide temperature range
- Low sludge forming tendency
- Anti-wear performance
- High demulsibility

BENEFITS

- High flash and fire points, along with very low pour point
- High solvency for deposits
- Reduces friction and wear thus leading to lower energy costs
- Excellent water separability

APPLICATIONS

- Rotary vane and screw type compressors
- Gears, bearings, hydraulic and chain applications operating at low temperatures
- Airline lubricant, tools, valves, cylinders, etc.

DISTRIBUTED BY:
Calumet Branded Products, LLC
1060 N Capitol Ave
Suite 6-401
Indianapolis, IN 46204
Technical Services: 317-328-5660
www.belray.com

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PRODUCT DATA

Typical Properties			
Property	Test Method	ISO 46	ISO 68
Viscosity @ 40°C (cSt)	ASTM D445	46	68
Viscosity @ 100°C (cSt)	ASTM D445	7.2	8.8
Viscosity Index	ASTM D2270	117	104
Flash Point, °C (°F)	ASTM D92	244 (471)	250 (482)
Pour Point, °C (°F)	ASTM D97	-51 (-60)	-46 (-51)
Copper Corrosion, 3 h @ 100°C (Rating)	ASTM D130	1a	1a
Foam Test, Sequence I, Tendency/Stability (mL/mL)	ASTM D892	Nil	Nil
Foam Test, Sequence II, Tendency/Stability (mL/mL)	ASTM D892	Nil	Nil
Foam Test, Sequence III, Tendency/Stability (mL/mL)	ASTM D892	Nil	Nil
Oxidation Lifetime (hrs)	ASTM D943	>3500	>3500
4-Ball Wear Test, @ 1200 rpm, 40 kgf, 60 min, 75°C Scar Diameter (mm)	ASTM D4172	0.46	0.46
Vickers V-104C Vane Pump Test, Ring & Vane Weight Loss (mg)	ASTM 2882	<50	<50
FZG Visual Test, Damaged Load Stage	ASTM D5182	12	12
Rust Prevention	ASTM D665A&B	Pass	Pass
Biodegradability, %	ASTM D5864	61.9	59.1
Color		Yellow	Yellow

HEALTH and SAFETY

Health and safety recommendations for products can be found on the Safety Data Sheet (SDS) at www.belray.com