

## PRODUCT INFORMATION

# ECOSE® COMPRESSOR SYNTHETIC DE LUBRICANTS

**ECOSE® Compressor Synthetic DE Lubricants** are diester based full synthetic lubricants for use primarily in compressor service.

### FEATURES AND BENEFITS:

**ECOSE® Compressor Synthetic DE Lubricants** have exceptional high temperature stability and designed to provide extra long life service, higher efficiency and improved cleanliness compared to other types. They have a low coefficient of friction and very good flow at low temperatures. Benefits include:

- Outstanding lubricant service life for reduced compressor maintenance
- Low oil consumption
- Elimination of deposits
- Very good protection against rust and corrosion
- Very good water separation, foam resistance and air release properties
- Compressor gearbox wear protection
- Reduction in energy consumption

NOTE: Care must be taken that seals, gaskets, hoses, plastics and paints are compatible with diester fluids.

**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

### APPLICATIONS:

**ECOSE® Compressor Synthetic DE Lubricant 32 or 68** are recommended for use in rotary screw and vane compressors. **ISO 100 & 150** grades are often recommended for use in reciprocating compressors and some vacuum pumps. All grades are compatible with air, nitrogen, carbon dioxide (dry), carbon monoxide, helium, hydrogen, sulfur hexafluoride, hydrocarbons (to include methane/natural gas, propane, butane, ethylene, butadiene), furnace crack gas and synthesis gas.

### AVAILABILITY:

**ECOSE® Compressor Synthetic DE Lubricants** are available throughout Nu-Tier Brand's marketing area. Your Nu-Tier representative can provide specific information. Need additional information? Call Nu-Tier Brands @ 1-877-771-LUBE (5823) or visit [Nu-tierbrands.com](http://Nu-tierbrands.com).

## ECOSE® Compressor Synthetic DE Lubricants

### Typical Properties

ISO Viscosity Grade		32	68	100	150
Product Code	Test Method	538201	538202	538203	538204
Viscosity, cSt @ 40°C	ASTM D-445	28.8	65	98.8	159
Viscosity, cSt @ 100°C	ASTM D-445	5.5	7.4	10.4	13.0
Viscosity Index	ASTM D-2270	129	71	86	71
Flash Point, COC, °F (°C)	ASTM D-92	(245)	(250)	(240)	(256)
Pour Point, °F (°C)	ASTM D-97	(-57)	(-35)	(-35)	(-30)
Copper Strip Corrosion	ASTM D-130	1A	1A	1A	1A
Specific Gravity		0.915	0.955	0.960	0.950
Density, Lbs/gal		7.62	7.96	8.00	7.91
Four Ball Wear, 1200 rpm 75°C, 40kg, 1 hr, mm	ASTM D-4172	0.8	0.8	0.8	0.7