FOOD-PLUS
ECO COMP 320

FOODGRADE & BIODEGRADABLE COMPRESSOR OILS

323301901

SYNTHETIC BIODEGRADABLE FOOD GRADE COMPRESSOR AND VACUUM PUMP LUBRICANT

The product is formulated by combining top-quality synthetic base fluids with specially engineered additives. It has proven to be highly effective in equipment that operates under severe conditions and requires a food grade and/or environmentally friendly lubricant with this ISO viscosity grade. The product is specifically designed for use in the food and beverage industries where there is a possibility of incidental contact with lubricants. These lubricants are fully compatible with mineral oil-based oils and PAG's, making flushing generally unnecessary when switching to this product. However, it's important to note that biodegradability will be compromised if two different product types are mixed. Therefore, it's recommended to minimize any residual amounts of old lubricants. It's also crucial to use paint finishes with a 2-part epoxy system and avoid metals such as zinc and tin wherever possible. The cleaning properties of these fluids can dislodge significant amounts of dirt, which may shorten filter lifespan during changing periods. To prevent this, it's recommended to keep the water content during use below 0.1%, and to drain any collected water.

PROPERTY	METHOD	VALUE
ISO Viscosity Grade	ASTM D2422	320
Viscosity @ 100 °C, mm²/s	ASTM D445	31.6
Viscosity @ 40 °C, mm²/s	ASTM D445	310
Viscosity index	ASTM D2270	141
Pour point, °C	ASTM D97	-27
Flash point C.O.C, °C	ASTM D92	270
Density @ 15 °C, kg/dm³	ASTM D1298	1.01

CATEGORY

- Compressor- and Vacuumpump Fluids

BENEFITS

- Low toxicity
- Ready biodegradable (OECD 301B) and virtually non-toxic. These products are an excellent choice where leakage or spillage could enter environmentally sensitive areas
- Good rust and corrosion protection
- Superb low-temperature capabilities and high viscosity index allow a wide operating temperature range
- Increased resistance to varnish, carbon and acid formation, providing better protection and longer service life, especially during extreme and/or hot operating conditions
- Excellent film strength resulting in exceptional equipment performance that not only results in fewer breakdowns but helps improve production capacity
- Separates readily from water
- Reduced energy consumption
- High flash & auto ignition points
- Low pour point
- Very low volatility, lower evaporation loss for good vacuum performance
- Reduced maintenance with very long drain intervals
- Excellent foam control, reducing heat, oxidation and wear. High contact regions are protected against wear for increased vacuum pump and compressor life and efficiency
- For vacuum applications down to 10-1 mbar

All data on this technical data sheet is indicative only

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