

# DIESTER FLUSHING OIL



LUBRICATION



## Flush oil applications

### APPLICATIONS

Premium quality flushing oil

Seal swell agent

- **DIESTER FLUSHING OIL** is a diester based product with excellent detergency, dispersancy and biodegradability properties. **DIESTER FLUSHING OIL** is a full synthetic fluid used to flush sludge and some mineral oil insoluble synthetics residues out of circulating systems and sumps. It may also be added to systems which need seal swell. For seal swell applications use it at 5% treat rate.
- **DIESTER FLUSHING OIL** is readily miscible with mineral oil, PAO, synthetic polyglycol or vegetable oil based fluids. Hence it is ideal as flushing oil when converting from Polyglycol fluid to a hydrocarbon fluid or vice versa. It is compatible with fluorocarbon (Teflon and Viton), fluorosilicone, polysulfide and high nitrile Buna-N elastomers. It is not recommended for use with butyl rubber, natural rubber, neoprene, styrene-butadiene rubber or low-nitrile Buna-N seals. **Seals, paints and other coatings should be checked for compatibility** with diester and the final product which will be used in the circulating system before converting from a mineral or PAO-based product. It is recommended for flushing a wide range of compressor equipment including rotary screw, rotary vane, reciprocating and centrifugal compressors.

### ADVANTAGES

- Superior dispersancy and detergency
- Removes sludge, varnish and carbon deposits from circulating systems
- Biodegradable

TYPICAL CHARACTERISTICS—DIESTER FLUSHING OIL	
Color (ASTM D 1500)	0.0
Density @ 60 °F, lbs. /gal. (ASTM D 1298)	8.05
Specific gravity @ 60/60°F (ASTM D 1298)	0.967
Viscosity at 40°C, cSt (ASTM D 445)	38
Flash point, COC, °F (°C) (ASTM D 92)	435 (224)
Pour point, °F (°C) (ASTM D 97)	-44 (-42)

Example--Instructions for converting from mineral oil to PAG fluid in a gearbox, compressor, etc.

1. Add 10% diester flushing oil to the mineral oil and operate 24 hours. This will loosen and dissolve varnish and deposits into the used oil
2. Drain the system and fill with Diester Flushing Oil. Operate under no load but actuate all bypasses and open all passages such that the circulating system is thoroughly cleaned with diester. Completely drain the system and change all filters and screens. Refill the system with new fluid (such as PAG).

TOTAL Lubricants USA Southwest

TOTAL Lubricants USA, Inc.

400 Chisholm Place, Suite 418  
Plano, Texas 75075  
800-442-5823 or 469-241-0950  
[www.finalube.com](http://www.finalube.com)

**Diester Flushing Oil**  
Sheet updated: 9/2009

5 North Stiles Street  
Linden, New Jersey 07036  
800-526-4127 or 908-862-9300  
[www.total-us.com](http://www.total-us.com)