

ETHANOX[®] 4727J

Lubricant Antioxidant



Application

ETHANOX 4727J lubricant antioxidant is a hindered phenolic, high-molecular-weight, low-volatility product with excellent oil solubility and handling. It is used primarily as an oxidation and deposit inhibitor in industrial oils, engine oils, and greases.

Features

- Low-viscosity liquid form for easy handling and blending
- Excellent liquid alternative to ETHANOX 4702 and ETHANOX 4710 lubricant antioxidants
- Will not separate or discolor during long-term storage
- High molecular weight and low volatility assure optimum lubricant performance at high temperatures
- Synergistic with other antioxidant types such as zinc dithiophosphates and alkylated diphenylamines
- Effective as a deposit-control additive in the TEOST MHT-4
- Very low water solubility and water extractability

Recommended Dosage

Typical use concentration for ETHANOX 4727J lubricant antioxidant is 0.7 to 3.3 wt. %, which corresponds to 0.2 to 1.0 wt. % on an active basis.

Typical Properties

Appearance	amber oily liquid
D-1500 Color	2.0
Percent active	30
Specific gravity @ 25 °C	0.94
Viscosity @ 40° C, cSt	350
Viscosity @ 100 °C, cSt	12.5
Flash point (PMCC), °F.	212
Flash point (PMCC), °C	100

Storage, Handling and Toxicity

ETHANOX 4727J lubricant antioxidant is supplied in a completely liquid form in bulk or drums. The recommended storage and handling temperature is between room temperature and 40 °C. Long term storage should not exceed 50 °C unless the material is held under a nitrogen blanket to prevent discoloration caused by oxidation.

For specific safety, handling and toxicity information, please refer to the current material safety data sheet, which is available on request.

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