NAUGALUBE® 438L is Chemtura’s leading antioxidant, with a proven track record of reliable performance for over 40 years. Developed for the most demanding environments, NAUGALUBE® 438L is regarded as the industry standard, recognized throughout transport and industrial lubricant markets as the antioxidant of choice.

NAUGALUBE® 438L is a liquid antioxidant for use in a broad range of transport and industrial lubricants. It offers excellent protection against high temperature oxidation and lubricant degradation in mineral and synthetic based fluids. Typical treat levels may range between 0.05% and 1.0%. NAUGALUBE® 438L can also be used in conjunction with other NAUGALUBE® antioxidants such as alkylated diphenylamines, alkylated phenyl-α-naphthylamine and/or hindered phenolics.

Applications

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<td><strong>Grease</strong></td>
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Benefits

- Liquid antioxidant
- High molecular weight antioxidant
- Excellent high temperature performance
- Effective control against viscosity increase
- Reduced varnish, deposits and sludge formation

Features

- Provides easy handling and blending
- Low volatility providing prolonged antioxidant protection in finished formulations
- Reduced oil oxidation, prolonged lubricant life and extended service intervals
- Positive impact on oil circulation and fuel efficiency
- Decreased wear, plugging and mechanical seal damage

TGA Profile of NAUGALUBE® 438L

Additive volatility can influence lubricant performance characteristics. Thermogravimetric analysis (TGA) of NAUGALUBE® 438L demonstrates its high thermal and oxidative stability and superior performance when compared alongside naphthylamine type antioxidant chemistry, supporting its use in higher temperature crankcase applications.

Antioxidant Response by TEOST MHT

TEOST MHT (Thermo-Oxidation Engine Oil Simulation Test) is an industry standard test method for the determination of Moderately High Temperature piston deposits. TEOST MHT testing of NAUGALUBE® 438L shows substantial antioxidant response and resistance to deposits over the phenolic in the SAE 5W-20 PCMO (ILSAC GF-4) Group II based oil.

Shipping Information: Tank cars, tank trucks, and non-returnable drums.

CONTACT INFORMATION

North America
Chemtura Corporation
Customer Service: +1 800 325 6252
Email: customer.care@chemtura.com

Europe, Middle East, and Africa
Chemtura Manufacturing UK Limited
Customer Service: +44 (0) 161 875 3800
Email: emea.export@chemtura.com

Asia/Pacific
Chemtura China Holding Co., Ltd.
Customer Service: +86 21 3866 6688
Email: info_petadd@chemtura.com

South America
Chemtura Industria Quimica do Brasil Limitada
Customer Service: +55 19 3522 5000
Email: atendimento.cliente@chemtura.com

Please visit our website www.chemtura.com for more information on this product and to locate the Product Data Sheet (PDS) and Safety Data Sheet (SDS).