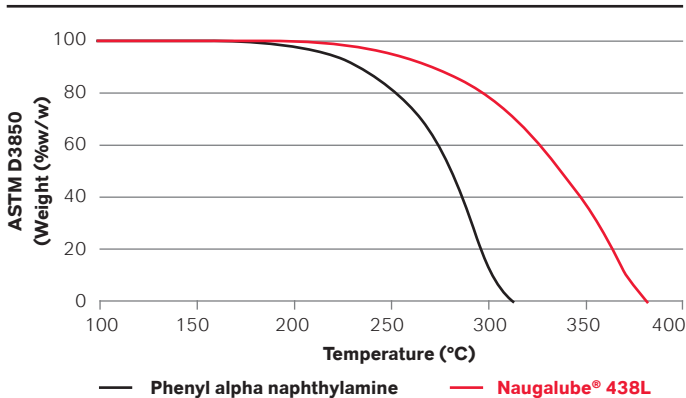


Features

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

TGA profile of Naugalube® 438L

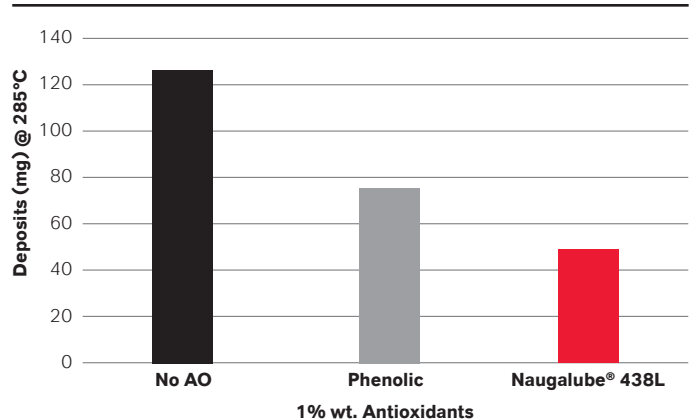


Additive volatility can influence lubricant performance characteristics. Thermogravimetric analysis (TGA) of Naugalube® 438L demonstrates its high thermal and oxidative stability and superior performance when compared alongside naphthylamine-type antioxidant chemistry, supporting its use in higher-temperature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

Benefits

- 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

Antioxidant response by TEOST MHT ASTM Method D7097



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 SAE 5W-20 PCMO (ILSAC GF-4) Group II based oil.

Shipping information: tank cars, tank trucks and non-returnable drums

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