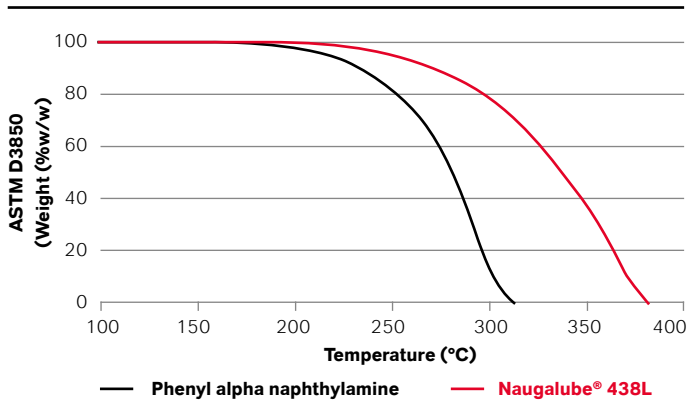


Features

- 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

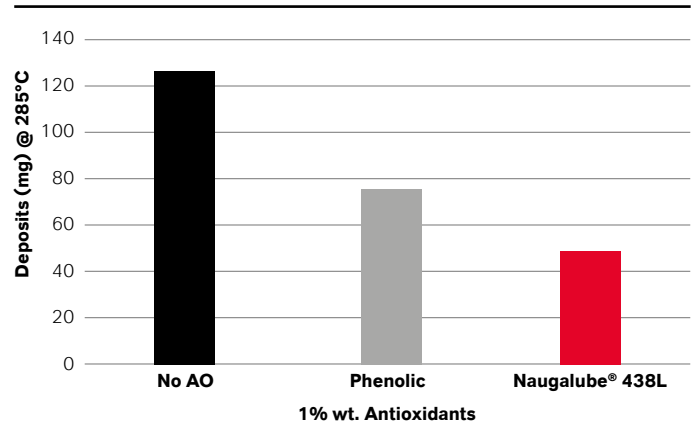


Additive volatility can influence lubricant performance characteristics. Thermogravimetric analysis (TGA) of Naugalube® 438L demonstrates its high thermal and oxidative stability and superior performance when compared alongside naphthylamine-type antioxidant chemistry, supporting its use in higher-temperature 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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Unless specified to the contrary, the values given have been established on standardized test specimens. The figures should be regarded as guide values only and not as binding minimum values. Kindly note that the results refer exclusively to the specimens tested. Under certain conditions, the test results established can be affected to a considerable extent by the processing conditions and manufacturing process.

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