

NANOMYTE® ThermoDon-2

Gear Oil Additive for Superior Heat Rejection and Reduced Wear



NANOMYTE® ThermoDon-2 is a high performance synthetic gear oil additive containing proprietary, nanostructured particles which dramatically improve heat transfer, typically resulting in a significant reduction in gearbox operating temperature. The particles are non-metallic and inherently lubricious. The unique nanostructure of our particles is obtained by in-situ processing, using the desired base oil as feedstock. This allows us to prepare an additive suitable for a variety of gear oils, including those intended for automotive, aerospace or industrial use.

SOLUTION

Addresses problems related to excessive heat buildup, such as seal and oil damage, burning, leaking, abnormal wear and failure.

CHARACTERISTICS

(With Typical 1.5% Active Additive)

Color: Black

Apparent Viscosity (40°C/50s⁻¹): 81 cP

Viscosity Index: 170

Thermal Conductivity: 180 mW/m·K

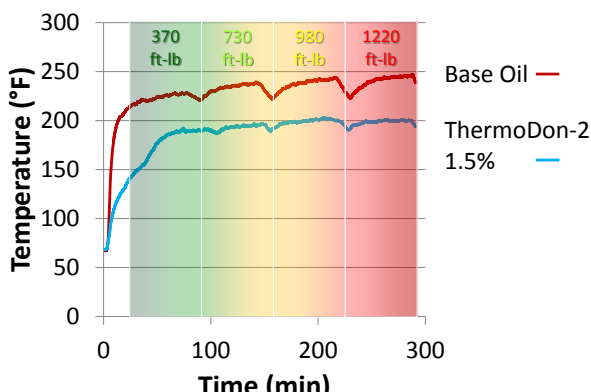
TESTING

ASTM D-445 Kinematic Viscosity

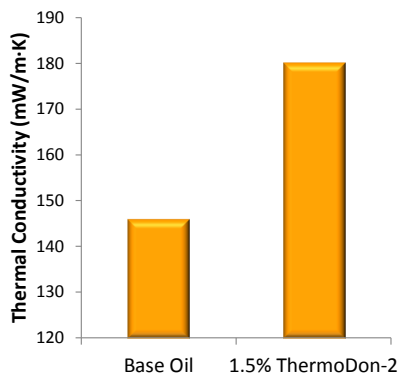
ASTM D2270 Viscosity Index

ASTM D4739 Base Number: 0.31mg KOH/g

ASTM D664 Acid Number: 0.35mg KOH/g



Average Gearbox Temperature Tested in the intermediate gearbox of a helicopter tail rotor drive train under simulated flight conditions



Thermal Conductivity: Base oil before and after addition of 1.5% ThermoDon-2 nanostructured additive

OVERVIEW

- Simple, drop-in additive
- Dramatic reductions in operating temperature possible
- May be customized for your gear oil of choice

APPLICATIONS

Military, aerospace, marine, automotive, industrial

CAPABILITIES

- Enhances thermal stability
- Reduces operating temperature
- Safeguards against heat damage

BENEFITS

High Performance

Overheat protection, reduced maintenance, high lubricity

Simple to Use

Replace a small amount of fresh oil with ThermoDon-2 in your next oil change

Cost Effective

Only low levels of additive content required for performance enhancement

Environmentally Smart

Lengthen maintenance intervals with no special disposal requirements

CONTACT US TO DISCUSS YOUR APPLICATION TODAY

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