NEOGRAF™ SOLUTIONS

GRAFOIL®

GTL Graphite Antiseize Compound

TECHNICAL DATA SHEET 316

Product Overview

GRAFOIL® GTL Graphite Antiseize Compound is a patented product made from a combination of high purity graphite and a high purity petroleum-based carrier. It has all the characteristics required for long-life performance, even under the most severe conditions. GTL made to prevent galling and seizing in threaded connections in service applications to 635°C (1175°F).

Each lot of GRAFOIL GTL compound is bulk packaged in 5 gallon plastic pails to protect it against contamination.

GRAFOIL GTL compound is used as an effective bolt lubricant and antiseize compound, having outperformed conventional lubricants under tests. Because GTL compound does not harden or cure with time or temperature, joints sealed with GTL compound will be easy to dissemble even after years of high-temperature service and also prevents corrosion. RoHS compliant, GTL compound is pure and doesn't contain any hazardous ingredients.

Applications

- Replacement for conventional metal powder based thread antiseize compounds
- High Temperature, high load service applications

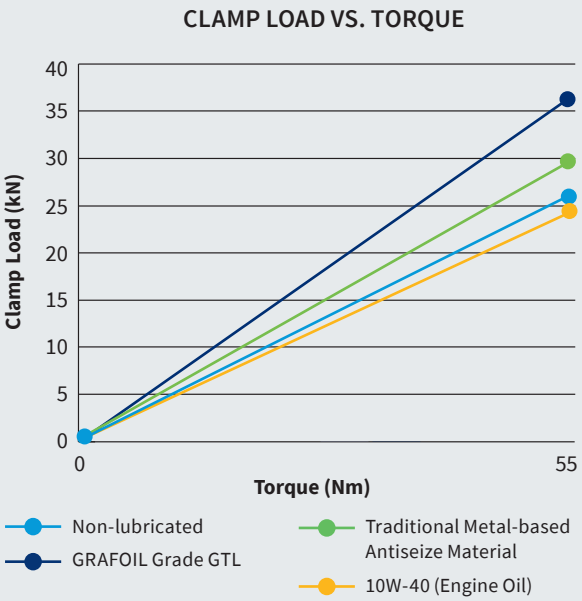
Directions for Use

- Thoroughly clean threaded surfaces prior to application
- Mix material well before using to insure the graphite is in suspension
- Apply compound evenly and fill threads completely.
- Carefully assemble and tighten the threaded joint. Wipe off excess
- Close container tightly after use

Typical Properties*

SHELF LIFE	2- Year Min from date of first use
STORAGE TEMP	< =38°C (100°F)
COEFFICIENT OF FRICTION	.111
TORQUE/LOAD RATIO	1.5 (Nm/kN)

Notes:
* Properties listed are typical and cannot be used as accept/reject specifications.



When tightening bolted joints, friction conditions need to be minimized in order to control the clamping load. Low thread friction is desired to maximize the clamping load for a given bolt torque.

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