JET-LUBE® HPHT™ THREAD COMPOUND

High Temperature, High Pressure Thread Compound

DESCRIPTION

JET-LUBE® HPHT™ THREAD COMPOUND has been specifically formulated to meet high performance requirements of proprietary, metal to metal seal, and high interference connection designs utilizing high performance materials including "super" chrome and high-alloy steels. The formulation contains a small percentage of PTFE to aid high temperature sealing properties. The particle size of the PTFE is controlled to allow it to seal 8-round and buttress thread forms.

JET-LUBE® HPHT™ THREAD COMPOUND's advanced base grease is a carefully selected balance of synthetic oils with an advanced biodegradable grease thickener technology. The base grease provides excellent adhesion and stability yet biodegrades and is environmentally safe based upon the Harmonised Offshore Chemical Notification Format (HOCNF) guidelines. The result is superior lubrication and ancillary sealing under high loads with galling resistance equivalent to heavy metal based compounds in a metal free formulation.

JET-LUBE® HPHT™ THREAD COMPOUND has a friction factor equivalent to API MODIFIED. However there may be connection types with which a higher or lower friction factor is incurred. The formulation has been successfully make and break tested on 25% Chrome, 35% Nickel alloy steel.

- Biodegradable, Environmentally Safe, and Metal Free
- Low Volatility At Temperatures Up To 232°C (450°F)
- Frictional Properties Equivalent To API MODIFIED
- High Film Strength Protects Against Galling
- Ideal For High Chrome Or Nickel Connections
- Sticks to Wet or Oily Threads
- Controlled Solids Package to Accommodate Premium Mechanical Seals and 8-round Connection Design Requirements

APPLICATIONS

JET-LUBE® HPHT™ THREAD COMPOUND is recommended for use on premium mechanical seals and 8-round connections. For large clearance thread seal connection designs **JET-LUBE® RUN-N-SEAL® ECF** is recommended.

SERVICE RATING

-30° F (-34° C) to 450° F (232° C)

OSPAR Commission: HOCNF
CLASSIFICATION: "Yellow" rating for Norway
CLASSIFICATION: "E" for United Kingdom & The Netherlands

PRODUCT CHARACTERISTICS

Appearance	Paste
Color	Dark Grey to Black
Thickener	Complex
Fluid Type	Synthetic PAO and Ester
Cone Penetration, mm X 10^{-1} (ASTM D-217)	290 - 335
Specific Gravity	1.36 Typical
Density (lb./gal)	11.34 Typical
Flash Point, °F (°C) (ASTM D-92)	> 550 (288)
Dropping Point °F (°C) (ASTM D 2265)	> 550 (288)
Oil Separation, Wt % (ASTM D 6184)	3.0 Maximum
Copper Strip Corrosion (ASTM D 4048)	1B
Salt Fog Resistance, Hours (ASTM B 117)	>2000 at 5% NaCl >750 at 20% NaCl
4-Ball, Weld Point, kgf (ASTM D 2596)	1000 Typical
EPA 1311-TCLP	Non-detect
Service Range, °F (°C)*	-30 to 450 (-34 to 232)
Friction Factor** Relative to API MODIFIED	1.0

*Depends on connection and application
** The frictional properties can vary between premium connection designs. Test the torque required for proper engagement prior to running or consult the connection manufacture.

PACKAGING

Code No.	Container Size	Container
36423	9 lb. (4 kg)	Pail
36415	44 lb. (20 kg)	Pail
36429	450 lb. (204 kg)	Drum

LIMITED WARRANTY

Jet-Lube, Inc. makes the Limited Express Warranty that at the date of delivery, this product shall be free from defects in Jet-Lube, Inc. materials and workmanship.

This Limited Express Warranty is expressly in lieu of any other express or implied warranties, including any implied warranty of merchantability or fitness for a particular purpose, and of any other obligation on the part of Jet-Lube, Inc.

The sole remedy for breach of the Limited Express Warranty shall be the refund of the purchase price. All other liability is negated and disclaimed, and Jet-Lube, Inc. shall not be liable for incidental or consequential damages.