HPHT™ THREAD COMPOUND

HIGH TEMPERATURE. HIGH PRESSURE, THREAD COMPOUND

DESCRIPTION

JET-LUBE HPHT™ THREAD COMPOUND has been specifically formulated to meet performance requirements of proprietary, metal to metal seal, and high interference connection designs utilizing high performance materials including “super” chrome and high-alloys 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 tupes 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 Gailling
- Ideal For High Chrome Or Nickel Connections
- Sticks to Wet or Oily Threads
- Controlled Solid Package to Accommodate Premium Mechanical Seals and 8-round Connection Design Requirements
- Conforms with API 5A3 for use with casing, tubing, and line pipe

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.

ENVIRONMENTAL

OSPAR Commissions 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 Penetrations, 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)	IB
Salt Fog Resistance, Hours (ASTM B 117)	>2000 at 5% NaCl >750 at 20% NaCl
4-Ball, Weld Point, kgf (ASMT 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 connections designs. Test the torque required for proper engagement prior to running or consult the connection manufacture.

For package types and part numbers
www.jetlube.com/resources/product-index/

Limited Warranty
www.jetlube.com/assets/documents/Jet-Lube_Warranty.pdf