

JET-LUBE® EXTREME®

TOOL JOINT & DRILL COLLAR COMPOUND

DESCRIPTION

JET-LUBE EXTREME mud-resistant drill collar and tool joint compound is a premium-quality, unleaded compound blended into **JET-LUBE's** newest high-temp, mud-resistant complex base grease. This new base grease offers the additional advantage of superior adhesion, improved EP and antiwear properties, resistance to water wash-off, and superior rust and corrosion protection in the presence of invert or high-pH muds. **JET-LUBE EXTREME's** solids package is formulated to prevent excessive circumferential makeup by increasing the coefficient of friction under compressive forces. As stress levels rise above 50% of yield, the friction factor increases, limiting downhole makeup. Full hydraulic joint efficiency is maintained allowing joint shoulder faces to mate completely without standoff or deformation.

- **Not classified as a marine pollutant - DOT Approval CA2006100003**
- Highly resistant to drilling muds.
- Contains no lead or zinc.
- Extreme-pressure additives provide additional protection against seizing and galling.
- Complex grease base provides superior rust and corrosion protection.
- Sticks to wet joints.
- Brushable and stable over a wide temperature range.
- Consistent rig floor makeup.
- Unequaled resistance to makeup downhole.

For optimum performance on API drill string connections, **JET-LUBE EXTREME** should be utilized with the torque charts in API RP7G or by contacting the drill pipe and connection manufacturer.

Premium drill string connections such as HI-TORQUE® (HT), eXtreme® Torque (XT®), and XT-M™ connections, etc., utilize make-up torques based upon thread compound friction factors of 1.0. Therefore, use the torque provided by the premium connection manufacturer. Adjusting make-up torque based on thread compound friction factor may still be advised.

PRODUCT CHARACTERISTICS

Thickener	Complex Soap
Fluid Type	Petroleum
Dropping Point (ASTM D-2265)	450°F (232°C)
Specific Gravity	1.20
Density (lb/gal)	10.0
Oil Separation (ASTM D-6184)	<3.0
Wt. % Loss @ 212°F (100°C)	
Flash Point (ASTM D-92)	>430°F (221°C)
NLGI Grade	1
Penetration @77°F (ASTM D-217)	310 - 330
Copper Strip Corrosion (ASTM D-4048)	1A, typical
4-Ball (ASTM D-2596)	
Weld Point, kgf	1,000, typical
Friction Factor* (Relative to API RP 7G)	1.15
Service Rating	0°F (-18°C) to 450°F (232°C)

Shelf Life: Minimum two years from manufacture date.

* Many factors such as pipe size, thread geometry, drilling mud contamination, etc. affect the friction factor. This is a relative number and in all applications experience and prior knowledge should be used to adjust make-up torque accordingly. Contact your drill pipe manufacturer for torque and friction-related specifications.

PACKAGING

Code No.	Container Size	Shipping Wt.
11423	1 gal.	11 lb.
11413	2½ gal.	26 lb.
11415	5 gal.	52 lb.
11424	15 gal.	152 lb.
11429	50 gal.	514 lb.

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.

CORPORATE LOCATIONS

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