

JLS[®] (JET-LUBE[®] SPECIAL) TOOL JOINT COMPOUND

DESCRIPTION

JLS[®] Tool Joint Compound is a high quality product containing premium grade copper flake, amorphous graphite, rust and corrosion inhibitors, and other inorganic solids. All are blended in JET-LUBE's unique grease compounded from custom refined, low-sulfur oil to ensure brushability over a wide temperature range, tenacious adherence to all surfaces, resistance to water washout, and prevention of rust/corrosion.

JLS is a result of laboratory and field development efforts spanning several decades. It is manufactured under the industry's toughest quality control regimen and is especially designed to prevent thread and shoulder wear, and to provide superior performance on the rig floor and downhole in medium duty drilling just as KOPR-KOTE[®] and JET-LUBE 21[®] perform in more severe conditions. For inverted muds or high pH muds a special base grease is available.

- Lead Free
- Zinc Free
- Formulated with a proprietary blend of copper flake, graphite, and other inorganic additives for protection and prevention of excessive circumferential make-up of tool joints in average drilling conditions.
- Unique high temperature grease base with brushability over a wide temperature range.
- Sticks to wet joints.
- Low sulphur content.
- Consistent rig floor make-up.
- Resistance to further make-up downhole in medium drilling.
- Available in Arctic and Thermal base greases.

APPLICATIONS

JLS is recommended for use on tool joints in drilling medium depths and formations. It provides consistent control of make-up and break-out in these conditions and protects against galling and seizure. JLS prevents excessive stresses which shorten tool joint life, and the metallic solids of JLS form a gasket on threads and shoulders that prevent metal-to-metal contact under high torque loads.

PRODUCT CHARACTERISTICS

Thickener	Aluminum Complex
Fluid Type	Petroleum
Color/Appearance	Black/Brown Paste
Dropping Point (ASTM D-566)	450°F (232°C)
Specific Gravity	1.19
Density (lb/gal)	9.6
Oil Separation (ASTM D-6184)	<3.0
Wt. % Loss @ 212°F (100°C)	
Flash Point (ASTM D-92)	>430°F (221°C)
NLGI Grade	1½
Penetration @77°F (ASTM D-217)	285 - 315
Copper Strip Corrosion (ASTM D-4048)	1A
4-Ball (ASTM D-2596)	
Weld Point, kgf	620
Friction Factor*	1.0 (per API RP-7G)

* 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.

PACKAGING

Code No.	Container Size	Shipping Wt.
11823	1 gal.	10 lb.
11812	2½ gal.	25 lb.
11815	5 gal.	47 lb.
11824	15 gal.	140 lb.
11829	50 gal.	489 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

Houston, Texas—World Headquarters

Maidenhead, England

Edmonton, Canada



JET-LUBE, INC.
4849 HOMESTEAD RD.,
SUITE 232
HOUSTON, TX 77028

US TOLL FREE: 800-538-5823
PHONE: 713-670-5700
FAX: 713-678-4604
sales@jetlube.com
www.jetlube.com