



Bringing Quality & Excellence

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TECHNICAL DATA SHEET

JLS Economy Grade

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.

ADVANTAGES

- Lead Free.
- Zinc Free.
- Formulated with a proprietary blend of copper flake, graphite, and other inorganic additives for protection and prevention of excessive circumferential makeup 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 makeup.
- Resistance to further makeup downhole in medium drilling.
- Available in Arctic and Thermal base grease.

APPLICATIONS:

JLS is recommended for use on tool joints in drilling medium depths and formations. It provides consistent control of makeup and 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: Aluminium Complex
 Fluid Type: Petroleum

Colour/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-4048):	>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 makeup torque accordingly.

PACKAGING

Code	Net contents	Container
72995037	12,5kg	Pail
78294912	20kg	Pail

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. The Limited Express Warranty is expressly in lieu of any other express or implied warranties, including any implied 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.

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