

LBX-SPECIAL

Tool Joint Compound



TECHNICAL DATA SHEET

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DESCRIPTION

JET-LUBE LBX-SPECIAL, a double duty tool joint compound, has been formulated to provide a superior level of performance for today's oilfield market. Its lead and zinc-free formulation contains copper flake as the only metallic component, and it is fortified by a unique blend of natural, inorganic extreme pressure and anti-wear additives.

Truly a double duty tool joint compound, **LBX-SPECIAL** can be used throughout the entire drill string - 'from the swivel to the bit' - on tool joints, drill collars, and all subsurface tools in medium drilling conditions to depths of 3,000 meters. Yet with its superior double duty abilities, **LBX-SPECIAL** is a medium priced compound.

The coefficient of friction of **LBX-SPECIAL** has been specially designed to prevent excessive makeup, prevent stretched pins or belling of the box members, even at downhole temperatures in excess of 150°C (300°F). Consistent circumferential makeup prevents high stress levels to prolong thread and shoulder life.

APPLICATIONS

Jet-Lube **LBX-SPECIAL** thread compound is recommended for the entire drill string in medium drilling conditions (up to 3,000 meters, collar sizes to 6 1/4", and mud drilled holes). It is the finest tool joint compound when downhole conditions are severe and the probability of makeup while drilling is anticipated. Jet-Lube **LBX-SPECIAL** prevents high stress in drill pipe connections which shortens their useful life.

PACKAGING

| Inventory Code | Container Size | Container |
|----------------|----------------|-----------|
| 11010 | 10-Liter | Pail |
| 11015 | 15-Liter | Pail |
| 11055 | 55-Liter | Keg |

CHARACTERISTICS

- Contains no lead or zinc
- Formulated with a proprietary blend of copper, graphite, and other additives which protect against rust and corrosion.
- CZ-EX extreme pressure additive provides additional protection against seizing and galling.
- Aluminum stearate grease base for brushability, stability, and the ability to stick to wet or frosty joints.
- Consistent rig floor makeup.
- Unequaled resistance to downhole makeup.

PRODUCT SPECIFICATIONS

| | |
|--------------------------------------|-------------------|
| Thickener | Aluminum Stearate |
| Fluid Type | Mineral Oil |
| Color | Black/Brown |
| Dropping Point (ASTM D-566) | 91°C (195°F) |
| Specific Gravity, Typical | 0.98 |
| Density (kg/liter), Typical | 0.98 |
| Flash Point (ASTM D-92) | >221°C (430°F) |
| Water Spray-Off (ASTM D-4048) | <10% |
| NLGI Grade | 2 |
| Penetration @ 25°C (ASTM D-217) | 265 - 295 |
| Copper Strip Corrosion (ASTM D-4048) | 1A |
| Torque Correction Factor | 1.00 |

Many factors such as pipe size, thread geometry, drilling mud contamination, drilling conditions, etc. will affect the torque correction factor. This is a relative number and in all applications experience and prior knowledge should be used to adjust make-up torques.

OPERATING RANGE

-18°C to 205°C (0°F to 400°F)

LIMITED WARRANTY

Jet-Lube of Canada makes the Limited Express Warranty that at the date of delivery, this product shall be free from defects in Jet-Lube of Canada Ltd. 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 of Canada Ltd.

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 of Canada Ltd. shall not be liable for incidental or consequential damages.

