

# **RUN-N-SEAL<sup>®</sup> EXTREME**

## **METAL-FREE THREAD SEALANT**

### **DESCRIPTION**

**JET-LUBE<sup>®</sup> RUN-N-SEAL<sup>®</sup> EXTREME** is a patented metal-free, high-pressure sealant alternative for API-MODIFIED. The compound contains graphite and other nonmetallic, inorganic, anti-wear additives blended into a state-of-the-art, high-temperature, rust-inhibiting complex soap based grease. **RUN-N-SEAL EXTREME** contains a large volume of solids enhanced by a higher concentration of large-sized particles. The improved distribution of particle sizes and volume of solids provides an excellent seal in large and small diameter, non-shouldered threads. The complex soap grease provides a high melting point, ensures brushability over a wide range of temperatures and has excellent inherent water resistance. It sticks to wet and oily steel, ensuring the compound will not wash off threads.

**RUN-N-SEAL EXTREME** has been tested for California Code of Regulations - Title 22, Chapter 30, Article II and is not classified as a hazardous waste. **RUN-N-SEAL EXTREME** is nontoxic, even in a marine environment, as evidenced by test results on the California Hazardous Waste Assessment Bioassay and a "D" rating in the North Sea (OSPAR) Guidelines.

- Enhanced rust inhibiting properties
- Friction factor of 0.9 (relative to API-MODIFIED)
- Contains additives for protection against rust, corrosion, and oxidation
- Prevents leakage (seals to 10,000 psi)
- High film strength to protect against wear, galling, and seizure
- Exceeds all of the performance criteria described in API spec. 5CT
- Tested in conformance with API RP 5A3
- H<sub>2</sub>S Inhibited

### **APPLICATIONS**

**RUN-N-SEAL EXTREME** is recommended for use on OCTG connections, API connections, and subsurface production tools. **RUN-N-SEAL EXTREME** will lubricate, seal, and protect threaded connections of oilfield tubular goods on makeup, in service, and in storage. For premium thread designs, use **JET-LUBE<sup>®</sup> SEAL-GUARD<sup>™</sup>**. For an environmentally friendly premium thread compound, use **JET-LUBE<sup>®</sup> SEAL-GUARD<sup>™</sup> ECF**.

### **PRODUCT CHARACTERISTICS**

|  |                |
|--|----------------|
| Thickener                                  | Complex Soap   |
| Fluid Type                                 | Petroleum      |
| Dropping Point (ASTM D-2265)               | 450°F (232°C)  |
| Specific Gravity                           | 1.23           |
| Density (lbs./gal.)                        | 10.25          |
| Oil Separation                             | <3.0           |
| Wt. % Loss @ 212°F (100°C)                 |                |
| Flash Point (ASTM D-92)                    | >450°F (232°C) |
| NLGI Grade                                 | 1              |
| Penetration @ 77°F (ASTM D-217)            | 325 - 350      |
| Copper Strip Corrosion (ASTM D-4048)       | 1A             |
| 4-Ball Weld Point, kgf (ASTM D2596)        | 800            |
| Friction Factor (Relative to API-MODIFIED) | 0.9            |

### **PACKAGING**

| Code No. | Container Size | Shipping Wt. |
|----------|----------------|--------------|
| 12223    | 1 gal.         | 11 lb.       |
| 12212    | 2 gal.         | 22 lb.       |
| 12215    | 5 gal.         | 54 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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