

# 550<sup>®</sup> EXTREME<sup>®</sup>

## NONMETALLIC ANTI-SEIZE COMPOUND

### DESCRIPTION

**550<sup>®</sup> Extreme<sup>®</sup>** Anti-Seize Compound is an enhanced formulation using a balance of molybdenum disulfide and surface modified synthetic graphite combined to provide protection for a wide variety of applications over a wide temperature range.

**550<sup>®</sup> Extreme<sup>®</sup>** is the ideal product for petrochemical plant maintenance needs. Its composition offers maximum protections against seizure and heat freeze. **550<sup>®</sup> Extreme<sup>®</sup>** eases assembling and dismantling saving man hours. It assures protection against rust, oxidation, and corrosion. It will not harden, evaporate, or settle out; and it requires no thinning.

In addition to molybdenum disulfide (MoS<sub>2</sub>), surface modified synthetic graphite, and low friction fillers, **550<sup>®</sup> Extreme<sup>®</sup>** utilizes a complex base grease that is fortified with effective rust and corrosion inhibitors and provides inherent anti-wear properties. Each principal anti-seize, low friction ingredient provides important properties and characteristics to **550<sup>®</sup> Extreme<sup>®</sup>**.

As an added benefit, when compared to Anti-Seize compounds containing greater than 40% molybdenum disulfide the coefficient friction of **550<sup>®</sup> Extreme<sup>®</sup>** is less sensitive to temperature. High molybdenum products can have substantial friction function drops when hot torquing bolts between 250-400°F.

- Enhanced rust and corrosion resistance
- Lead free
- Protects against seizure, heat-freeze, galling, rut and corrosion
- Lowers friction, reduces wrench torque
- Provides easy makeup and breakout
- Reduces maintenance costs
- Not affected by contraction, expansion, or vibration

### APPLICATIONS

Use **550<sup>®</sup> Extreme<sup>®</sup>** on:

- |               |          |
|---------------|----------|
| Alkey Gaskets | Threads  |
| Flange Faces  | Keyways  |
| Gaskets       | Slides   |
| Guides        | Fittings |

Well suited for steel and aluminum. **550<sup>®</sup> Extreme<sup>®</sup>** works equally well on stainless steel, cast iron, titanium, copper, brass, alloys, plastic, and gasket materials. **550<sup>®</sup> Extreme<sup>®</sup>** is an effective anti-seize for use with LPG and other gasses. For sealing applications, use V-2<sup>®</sup>

**NOTE: Not for use on oxygen lines.**

CONFORMS TO:

Military Specification MIL-PRF-907F

Raytheon Specification M8656839 Type II

SERVICE RATING: -65° F (-54°C) to 2400°F (1316°C)

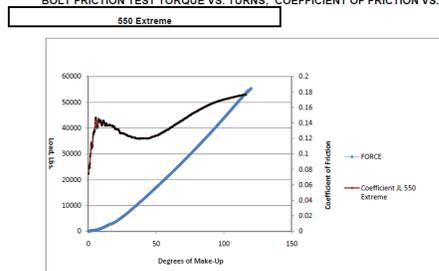
### PRODUCT CHARACTERISTICS

Thickener	Complex
Fluid Type	Petroleum
Color/Appearance	Black
Dropping Point (ASTM D-566)	450°F (232°C)
Specific Gravity	1.22
Density (lb/gal)	10.2
Oil Separation	<5.0
Wt. % Loss @ 212°F (100°C)	
Flash Point (ASTM D-92)	>430°F (221°C)
NLGI Grade	1
Penetration @ 77°F (ASTM D-217)	315-335
K- Factor*	0.17
1" B7 Studs @ 80,000 psi Contact Stress	
Copper Strip corrosion (ASTM D-4048)	1A
4-Ball (ASTM D-2596) Typical	
Weld Point, kgf	800
Load Wear Index	100
Salt Fog Resistance	500
20% NaCl @ 100°F	
Hrs. Free of Corrosion (ASTM B-117)	

\*(T = K × D × F) where:

T = torque, K = nut factor, sometimes called the friction factor, D = bolt diameter, and F = bolt tension generated during tightening.

BOLT FRICTION TEST TORQUE VS. TURNS; COEFFICIENT OF FRICTION VS. TURNS



### PACKAGING

Code No.	Container Size	Container
47102	½ lb.	Brush Top Can
47104	1 lb.	Brush Top Can

### 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.*

