



# 550<sup>®</sup> EXTREME<sup>®</sup>

## NONMETALLIC ANTI-SEIZE & THREAD LUBRICANT

### DESCRIPTION

Jet-Lube<sup>®</sup> 550<sup>®</sup> Extreme<sup>®</sup> Anti-Seize Compound is an enhanced formulation that uses a balance of molybdenum disulfide and surface modified synthetic graphite in a corrosion resistant calcium sulfonate complex base combined to provide protection for a wide variety of applications over a wide temperature range.

Jet-Lube 550 Extreme is the ideal product for petrochemical plant maintenance needs. Its composition offers maximum protection against seizure and heat freeze. Jet-Lube 550 Extreme 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.

Jet-Lube 550 Extreme 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 Jet-Lube 550 Extreme.

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

- NO-VOC's
- When used in tandem with graphite stem packings improves conformance to API 622 Low "E" criteria.
- Valve bonnet bolts & Flange bolting.
- Lubrication of Valve Stem Assemblies
- Improves torque repeatability when used with XYLAN, DOXSTEEL & other coated Bolting assemblies
- Carbon Steel & High Nickel Alloy Bolting
- Heat Exchanger Breach Blocks & Bolting
- Delta Valve Bolting
- Coker Drum Head & Base Bolting

### APPLICATIONS

Use Jet-Lube 550 Extreme on:

Threaded Fasteners	Valve Stems
Slides	Fittings
Guides	Keyways

Jet-Lube 550 Extreme works well on steel, stainless steel, cast iron, titanium, copper, brass, alloys and plastic. It is an effective anti-seize for use with LPG and other gasses. For sealing applications, use V-2<sup>®</sup>.

CONFORMS TO:  
 Military Specification MIL-PRF-907F  
 Raytheon Specification M8656839 Type III

### PRODUCT CHARACTERISTICS

Thickener	Calcium Sulfonate Complex
Fluid Type	Petroleum
Color/Appearance	Black
Dropping Point (ASTM D-2265)	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
Nut-Factor*	
Uncoated B7 Studs @ 80 ksi	0.17
Uncoated B8M & Stainless Studs	0.20
Copper Strip Corrosion (ASTM D-4048)	1A
4-Ball (ASTM D-2596)	
Weld Point, kgf	800
Load Wear Index	100
Salt Fog Resistance 20% NaCl @ 100°F	500
Hrs. Free of Corrosion (ASTM B-117)	

\*(T = K × D × F) where:  
 T = torque, K = nut factor, sometimes incorrectly called the friction factor, D = bolt diameter, and F = bolt tension generated during tightening.

### SERVICE RATINGS

Select Applications/Services: 2400°F (1316°C)  
 Brushable to or as a lubricant: -10°F (-23°C)  
 Static Applications: -265°F (-165°C)\*\*

\*\*Based on component literature data in cryogenic applications.

### For package types and part numbers

[www.jetlube.com/resources/product-index/](http://www.jetlube.com/resources/product-index/)

### Limited Warranty

[www.jetlube.com/assets/documents/Jet-Lube\\_Warranty.pdf](http://www.jetlube.com/assets/documents/Jet-Lube_Warranty.pdf)