



## 550<sup>®</sup> EXTREME<sup>®</sup> ALL WEATHER NONMETALLIC ANTI-SEIZE & THREAD LUBRICANT

### DESCRIPTION

Jet-Lube<sup>®</sup> 550<sup>®</sup> Extreme<sup>®</sup> All Weather 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.

Jet-Lube 550 Extreme All Weather is the ideal product for petrochemical plant maintenance needs. Its composition offers maximum protection against seizure and heat freeze. Jet-Lube 550 Extreme All Weather 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 All Weather utilizes a fully synthetic fluid, calcium sulfonate complex-based 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 All Weather.

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

### APPLICATIONS

Use Jet-Lube 550 Extreme All Weather on:

Threaded Fasteners	Keyways
Slides	Guides
Fittings	

Jet-Lube 550 Extreme All Weather 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>.

### PRODUCT CHARACTERISTICS

Thickener	Calcium Sulfonate Complex
Fluid Type	Petroleum
Color/Appearance	Black
Dropping Point (ASTM D-2265)	450°F (232°C)
Specific Gravity	1.19
Density (lb. /gal)	9.95
Oil Separation	<5.0
Wt. % Loss @ 212°F (100°C)	
Flash Point (ASTM D-92)	500°F (260°C)
NLGI Grade	1
Penetration @ 77°F (ASTM D-217)	315-335
Nut-Factor*	
1" Uncoated" B7 Studs @ 80 ksi	0.16
1" Uncoated" B7 Studs @ 50 ksi	0.17
1" Uncoated" B7 Studs @ 30 ksi	0.18
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: -50°F (-46°C)

Static Applications: -265°F (-165°C)\*\*

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

### CERTIFICATIONS

Military Specification - MIL-PRF-907F

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)

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