JET-LUBE® 550® EXTREME®

PETROCHEMICAL GRADE ANTI-SEIZE

DESCRIPTION

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

In addition to molybdenum disulfide (MoS_2), surface modified synthetic graphite, and low friction fillers, **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 **550® Extreme®.**

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

- 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
- Aid in the proper assembly of Alkyl Unit Flange Gaskets

APPLICATIONS

Use **550® Extreme®** on:

Alkyl Unit Gaskets	Threads
Flange Faces	Keyways
Gaskets	Slides
Guides	Fittings

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

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
Nut-Factor*	0.17
1" B7 Studs @ 80,000 psi Contact Stress	
Copper Strip Corrosion (ASTM D-4048)	1A
4-Ball (ASTM D-2596)	
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.

NOTE: Not for use on oxygen lines.

Distributed By

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LIMITED WARRANTY

For warranty information please go to www.jetlube.com/pdf/Jet-Lube_Warranty.pdf.