

# 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.

### ADVANTAGES

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

### APPLICATIONS

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

Gaskets	Threads
Flange Faces	Keyways
Keys	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 gases. For sealing applications, use **V-2<sup>®</sup>**.

### CONFORMS TO:

Military Specification	MIL-PRF-907F
Raytheon Specification	M8656839 Type II

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

### PRODUCT CHARACTERISTICS

Service Rating:	-54°C (-65°F) to 1316°C (2400°F)
Thickener	Calcium Sulphonate
Fluid Type	Petroleum
Color/Appearance	Black
Dropping Point (ASTM D-566)	232°C (450°F)
Specific Gravity	1.22
Density (lb/gal)	10.5 typical
Oil Separation	<5.0
WT. % LOSS @ 100°C (212°F)	
Flash Point (ASTM D-92)	>221°C (430°F)
NLGI Grade	1 - 1½
Penetration @ 25°C (ASTM D-217)	315-335
K-Factor (80,000psi 1" B7 stud)	0.17
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)	

### PACKAGING

Code No.	Size	Container
JA47104	12 x 500 g.	Brush Top
JA47129	227kg	Drum

### LIMITED WARRANTY

Jet-Lube (UK) Ltd makes the Limited Warranty that at the date of delivery, this product shall be free from defects in Jet-Lube (UK) Ltd materials and workmanship.

This Limited 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 (UK) Ltd

The sole remedy for breach of the Limited Warranty shall be the refund of the purchase price. All other liability is negated and disclaimed, and Jet-Lube (UK) Ltd shall not be liable for incidental or consequential damages.

Last Updated: Jan 2016

**JET-LUBE<sup>®</sup>**

A CSW Industrials Company

> Please visit us online at  
[www.jetlube.co.uk](http://www.jetlube.co.uk) for the most  
current reference information.

