

# ANTI - SEIZE

## High Temperature Copper & Graphite EP Compound Operating Temperature up to +2000° F

### DESCRIPTION:

**Anti-Seize** is manufactured using a high viscosity, hydrotreated, high VI paraffin base oil thickened with an aluminum complex soap gel produced by a state-of-the-art manufacturing and homogenizing process, and is not affected by mild acid, alkali or salt environments.

**Anti-Seize** consists of finely-divided soft metals and solid lubricant in a chemical resistant paste that prevents metal-to-metal contact under loads up to 200,000 lbs per square inch providing superior protection to assembly of parts, bolts, screws and threads. It protects against rust and corrosion, galling, fretting, galvanic pitting and seizure.

**Anti-Seize** will lubricate, seal, protect, lower torque tightening and ease removal of bolts, nuts, threads, fittings and gaskets under extreme loads and temperatures. Once applied it enables total protection, even in wet and salt water environments. When disassembly is necessary, the high percentage of solid metal particles provides low breakaway torque and easy removal. It is extremely adhesive, providing even and smooth application while sealing out water and chemicals.

### APPLICATIONS:

- \* **Industrial Plants:** Threaded connections, bolts, nuts, bushings, adjusting screws, press fits, gaskets, fittings, flanges, parts assembly, cams, linkage systems, boiler hinges, shaft keyways, valve stems and guide bushings
- \* **Steel Mills / Foundries:** Slide gates, moving parts, bearings and mating surfaces
- \* **Chemical Plants / Oil Refineries:** All threaded connections, flange studs, compressor heads, autoclaves and valves
- \* **Power Plants:** Threaded assemblies, exhaust manifold studs and steam lines

- \* **Aircraft:** All studs and bolts under high temperatures
- \* **Metalworking:** Press fitting of dies, severe cold extrusion and forming applications needing a heavy pigment lubricant
- \* **Marine:** Bolts and studs for pumps, steam lines, valves, threads used on offshore drilling rigs
- \* **Trucks, Tractors and Autos:** Spring U-bolt, torque rods, sliding parts of garbage trucks, spark plug threads, brake cams and pins and farm equipment.

### OTHER USES OF ANTI-SEIZE

Lathe Centers	Plug Valves	Bushings
Pipe Threads	Screw Threads	Die Set Leader Pins
Tapping	Gears	Oven Damper Controls
Heat Treat Ovens	Furnaces	Kiln Ovens and Casters

### TYPICAL PROPERTIES:

NLGI Grade	1
Color	Bronze
Penetration, ASTM D-217	
Worked, 60 strokes	330
Dropping Point, ASTM D-2265, °F	2000
Base Oil Viscosity, ASTM D-445	
cSt @ 40 ° C	457.2
cSt @ 100 ° C	31.9
4-Ball EP, ASTM D-2596	
Weld load, kg	500
Solids %	54
Solids	Copper, Graphite, Zinc oxide