



# SAE-AMS-2518 TDS

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## SAE-AMS-2518 Graphite Petrolatum

Thread Compound, Anti-Seize

Armite's Graphite based anti-seize is manufactured & conforms to the requirements of Military Specification SAE-AMS-2518 (formerly MIL-T-5544C). Graphite petrolatum is used to prevent seizing during assembly or disassembly of aircraft engine spark plugs and threaded fasteners and fittings.

### Application Considerations

This compound has been used as an anti-seize compound on aircraft engine spark plugs and threaded fasteners and fittings, but usage is not limited to such applications. This compound may be used safely in contact with austenitic corrosion-resistant steels, titanium, nickel and cobalt alloys, and similar corrosion-resistant metals and alloys. This compound contains graphite, which may promote corrosion of aluminum, magnesium, ferrous, zinc, and cadmium alloys or plated coatings and should not be used with such metals.

\*This compound is an electrical conductor. Apply a light coating to lower spark plug threads only. This compound must not come in contact with spark plug terminals or electrodes. Do not use in oxygen systems – explosion may result.

#### Graphite Based Anti-Seize Compound

Meets SAE-AMS-2518  
NSN 8030-00-044-5034  
Water resistant  
Lead free  
Lowers frictions, reduces wrench torque  
Permits re-use of fittings, saves nut, bolt, and stud replacement.

#### Application

Joints  
Slides  
Valve Stems  
Fasteners  
Frame Bolts  
Flange Faces  
Spark plugs

#### Typical Characteristics

**NLGI Grade** 2-4 approx.  
**Color** Dark grey  
**Penetration @ 77°F** 170-260  
**Melting Point** 130°F  
**Specific Gravity** 1.25  
**Additive Type** Graphite  
**Flash Point** 480°F (249°C)  
**Auto Ignition Point** >500°F (260°C)  
**Boiling Point** <600°F (316°C)

TEST: Applications listed are suggestions. This guide will not replace your testing and evaluation procedures. Ultimate product selection should be based on your test results and the specific performance requirements.