



Aerospace Lubricants



Syn-Tech Ltd. has developed lubricants that meet strict military specifications and requirements including jet aircraft and helicopter applications. These lubricants have provided excellent service in extreme environments.

Syn-Tech Ltd. Aerospace lubricants provide the following characteristics: Wide operating temperature ranges, excellent lubricity, extreme pressure and antiwear properties that increase load capacity in gears and drive shafts, excellent oxidation, corrosion and water washout resistance.

Product	Description	Typical Application	Spec.	Temp Range C°
NS-3913-G1 NSN 9150-00-506-8497	Ester Clay Thickened	Fortified with extreme pressure, antiwear and corrosion additives, this lubricant was designed for extreme gear coupling applications under high temperature, high rpm and heavy loads with potential for misalignment and exposure to harsh environmental conditions. Applications include gear couplings for helicopters, gearboxes, splines, differentials, and screw jacks.	Bell Helicopter 204-040-755-055	-40 to 176
NS-4405-FG NSN 9150-01-212-1409	Ester Li complex Thickened	A high load capacity semi-fluid grease designed for helicopter gearboxes. Fortified with extreme pressure, antiwear and corrosion additives for extreme stability under high centrifugal and rotational speeds. Applications include gearboxes, couplings, drives and bearings.	Hughes/ McDonnell Douglas HMS 20-1155	-54 to 135
NS-6075-G NSN 9150-00-823-8049	Petroleum Clay Thickened	A versatile, extreme pressure, anti-wear and anti-fretting lubricant. Fortified with molybdenum disulfide and graphite to protect metal surfaces during periods of high loads and extreme pressure. Excellent water washout, rust and oxidation resistance with good mechanical stability. Applications include splines and similar applications.	Sundstrand MP01AA10	-20 to 150
NS-6074-F NSN 9150-01-411-6545	Methacrylate Polymer	Used to lubricate O-rings prior to pressing them into cavities, preventing chafing or tearing of the O-ring surface. It is also used as an assembly aid to "stick hold" parts together in multicomponent mechanisms such as gearboxes, pumps and engine accessories.	Sundstrand 57622	--
NS-5806-G	Ester Clay Thickened	Non-melting extreme pressure grease designed for lubrication of aircraft slides and bearings. Fortified with molybdenum disulfide for excellent protection of sliding steel on steel against wear and seizure. Gelled with a non-melting bentonite thickener for extended operation at high temperature.	Hamilton Sundstrand MS02.63	-73 to 150
NS-1822-G	Ester Clay Thickened	A multi-purpose aircraft airframe grease for highly loaded bearings, gears and actuator screws. Low viscosity synthetic ester base fluid and a non-melting thickener. Excellent low-temperature mobility and pumpability providing very low starting and running torque values. Good resistance to moisture. Enhanced protection against both ferrous and non-ferrous metal rust and corrosion.	MIL-PRF-23827C Type II	-73 to 149

Our Expertise Syn-Tech Ltd.'s product line has evolved products that satisfy applications of many types. Experience and in-house testing facilities have generated the knowledge to create and modify new and existing products to perform under rigorous demands. Contact our offices for assistance in lubricant selection.