



Gear Lubricants



From steel mill gear reducers to miniature geared actuators, lubricants serve to reduce wear and noise while increasing gear train efficiency. Syn-Tech Ltd. gear lubricants can dramatically increase the performance of your mechanism by providing longer lasting, quieter operation over a wider operating temperature range, eliminate the need for special seals and provide the design engineer with the option to use less expensive gear materials or manufacturing processes which can lead to significant cost savings. Longer lubricant life due to increased oxidation resistance will reduced down-time for maintenance leading to overall cost savings.

Syn-Tech Ltd. supplies a wide range of synthetic and mineral oil based greases and oils proven to increase the life of your mechanism while reducing service intervals and customer down time.

The following are just some of the lubricants Syn-Tech Ltd. currently supplies for gear applications:

Product	Description	Typical Application	Temp. Range C°
NS-711-G	Synthetic Hybrid Li Soap Thickened	Synergistic blend of base fluids for enhanced metal wetting for long life friction reduction and antiwear. Mild EP for under boundary layer lubrication conditions on steel components.	-54 to 140
NS-1008-FG	Synthetic Hybrid Li Soap Thickened	An EP/antiwear fluid grease with extremely low oil separation for use in gearboxes with marginal seals. For use on steel, bronze or plastic gears. Excellent lubricant for worm gears.	-30 to 150
NS-3508-G	Synthetic Hybrid Li Complex Soap Thickened	Low migration and oil separation for both ferrous and nonferrous metal gears. This product exhibits a reduced tendency to channel, providing a more consistent flow of grease to the gear interface. May be used on worm gears.	-29 to 150
NS-4405-FG	Ester Li Complex Thickened	A high load capacity semi-fluid grease designed metal on metal gears in helicopter gearboxes. Fortified with extreme pressure, antiwear and corrosion additives. Applications include gearboxes, couplings and bearings.	-54 to 135
NS-6310-G	Synthetic Hybrid Li Soap Thickened	Synergistic blend of base fluids for enhanced metal wetting and a unique solid lubricant package for long life friction reduction, EP/antiwear for boundary layer lubrication conditions on steel components. Also an excellent lubricant for plastic gears and bearings.	-54 to 140
NS-7311-FG	Mineral Oil Li Complex Thickened	An EP/antiwear fluid grease with extremely low oil separation for use in gearboxes with marginal seals. For use on steel, bronze or plastic gears. Excellent lubrication for worm gears.	-30 to 150
NS-2110-F	Mineral Oil Syn Hydrocarbon	An ISO 460 antiwear oil for gearboxes and chains. This product contains a unique blend of white mineral oil, synthetic base fluids and tackifier for high film strength and excellent oxidation resistance while protecting against rust and corrosion. NSF registration number 143725.	-5 to 135
NS-3110-680FG	Synthetic Hydrocarbon	An ISO 680 wide temperature range synthetic gear and bearing oil. Formulated with high viscosity base oils (no viscosity modifiers) for excellent shear stability. NSF Reg. No. 143726.	-30 to 115

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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.