

# NS-319-FG

## Synthetic Semi-Fluid Gearbox Grease

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NS-319-FG is a semi-fluid grease formulated to lubricate spur, helical and worm gears. A unique thickener package drastically reduces gearbox seal leakage compared to oil lubricants. The hybrid base fluid combination, in addition to providing an excellent lubricating film, protects elastomer seals from hardening and cracking. This product is also suitable for plain bearings and low speed ball bearings. A wide operating temperature range of -40°C to 105°C (-40°F to 221°F) ensures consistent protection during demanding ambient conditions.

### Characteristics:

- Oxidation resistant fully synthetic formula
- High shear stability
- Greatly reduces seal leakage
- Protects seals from hardening
- Reduces friction
- Provides excellent wear protection
- Protects against rust and corrosion
- Wide operating temperature range of -40°C to 105°C (-40°F to 221°F)

### Typical Properties

Color	Green
NLGI grade	0-00
Thickener	Li Soap
Penetration, ASTM D1403, worked, 60 Ds	393

### Typical Base Fluid Properties

Base fluid	Synthetic Hybrid
Viscosity, ASTM D445 @ 40°C, cSt	11.6
Viscosity, ASTM D445 @ 100°C, cSt	73
Viscosity Index Extended, ASTM D2270	151

### Material Compatibilities:

Compatible with most engineering plastics including ABS and polycarbonate. Not for use with Buna S, Butyl, EPDM, EPR, or natural rubber elastomers. Check with material manufacturer or Syn-Tech concerning compatibility.

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