

# NS-50040-GC

## Synthetic Electrical Connector Lubricant

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NS-50040-GC is an electrical connector grease for both ferrous and non-ferrous metals. Specifically formulated for long life corrosion protection, vibration damping, fretting control and moisture resistance in elevated temperature environments. Contains a UV tracer.

### Characteristics:

- Atmospheric corrosion protection for ferrous and non-ferrous metals
- Reduces connector fretting
- Resistant to water washout
- High mechanical stability
- Low migration
- UV Tracer responds well to 395 nm UV light
- Operating temperature range of -40°C to 135°C

### Typical Properties

NLGI grade	2
Penetration, ASTM D217, worked, 60 DS	275
Dropping point, ASTM D2265, °F(°C) min.	>500(260)
Oil Separation, FTM 321.3, 24 hrs. @ 212°F, %	1
Copper corrosion, ASTM D130, 3 hrs. @ 210°F	1a
Thickener	Inorganic

### Typical Base Fluid Properties

Base fluid	PAO
Viscosity Index, ASTM D2270	150
Viscosity, ASTM D445 @ 40°C, cSt	395
Viscosity, ASTM D445 @ 100°C, cSt	40
Flash point, ASTM D92, °C	295
Pour point, ASTM D97, °C	-30

### 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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