

NS-3913-G

Gear Spindle Grease for High PV Applications

A special purpose grease, designed for use on metal to metal interfaces requiring a long service life, stability and anti-wear properties as well as excellent rust and corrosion protection. Formulated with extreme pressure additives for high load capabilities. This product offers an operating temperature range of -40°F to +300°F. The combination of high temperature base fluid and thickener will lubricate a wide range of applications including gearboxes, gear couplings, cams, wheel bearings and drive shafts.

NS-3913-G is the only lubricant approved for use on Kop-Flex® high PV gear shaft couplings.

Characteristics:

- Superior lubricity - low friction, less wear
- Wide temperature range of -40°F to +300°F
- Long lasting - low evaporation rate
- Good for couplings with a tooth hardness of 150-750 BHN

Typical Properties

Color	Dark Brown
Thickener	Inorganic
Penetration, ASTM D217, worked, 60 DS	300
Penetration, ASTM D217, worked, 100,000 DS	400 max.
Dropping point, ASTM D2265, °F	500 min.
Dirt Count, FTM 791b, 3005.3, 25 microns and >	1500 max.
Dirt Count, FTM 791b, 3005.3, 75 microns and >	500 max.
Dirt Count, FTM 791b, 3005.3, 125 microns and >	50 max.
Oil Separation, FTM 321.3, 24 hrs. @ 212°F, %	2.5 max.
Evaporation Loss, ASTM D972, 22 hrs. @ 210°F, %	5
Water Washout, ASTM D1264, 100°F, %	10 max.
Water Washout, ASTM D1264, 175°F, %	10 max.
Bomb Oxidation, ASTM D942, 100 hrs, 210°F, psi	12.5 max.
Timken® OK Load, ASTM D2509, Lbs.	50
4-Ball EP, Load Wear Index, ASTM D2596, kgf	60
4-Ball EP, Weld point, kg	500
4-Ball Wear, ASTM D2266, average wear scar,mm	0.6

Typical Base Fluid Properties

Viscosity, ASTM D445 @ 100°F, cSt	30
Viscosity, ASTM D445 @ 210°F, cSt	5.5
Flash point, ASTM D92, °F	470 min.

Material Compatibilities:

Not for use with ABS, polycarbonate, polyester, PPO, or PVC plastics. Not for use on buna S, butyl, or neoprene elastomers. Check with material manufacturer or Syn-Tech concerning compatibility.

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