



POLY MAX

Spectra Lube Poly Max

Spectra Lube Poly Max is a polyurea grease thickener system. This high-temperature, ashless, organic thickener has inherent oxidation stability, allowing it to handle high temperatures over long periods of time. Ideal for rolling contact applications.

Applications

Industries include: Ag equipment, On-Road, Industrial, and Automotive

Features/Benefits

- High thermal stability for long-life bearings
- Good extreme pressure and anti-wear protection additives, forming protective layers on metal surfaces to reduce wear and friction
- Superior resistance to oxidation with Spectra Lube Poly Max's inherent antioxidative properties
- Ideal in rolling contact applications
- Preferred choice for sealed-for-life bearings
- High-temperature thickening system
- Additive system is free of heavy metals

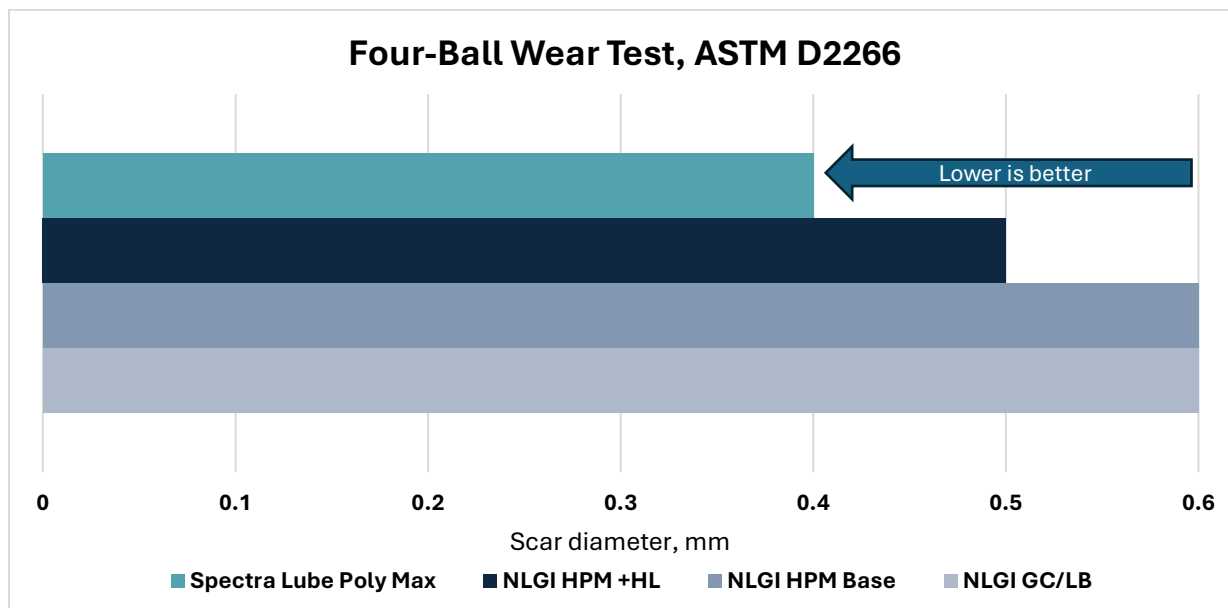
For high temperature considerations (in general), consider the actual temperature range of the application, whether this application is intermittent or continuous, and what the reasonable re-lubrication intervals are. For low-temperature operations (in general), grease distribution systems must be given proper consideration, including pump type and capability, grease flow lines, length, type, and size.

**Refer to OEM specifications and recommendations regarding product type and lubrication interval for the equipment being lubricated.*

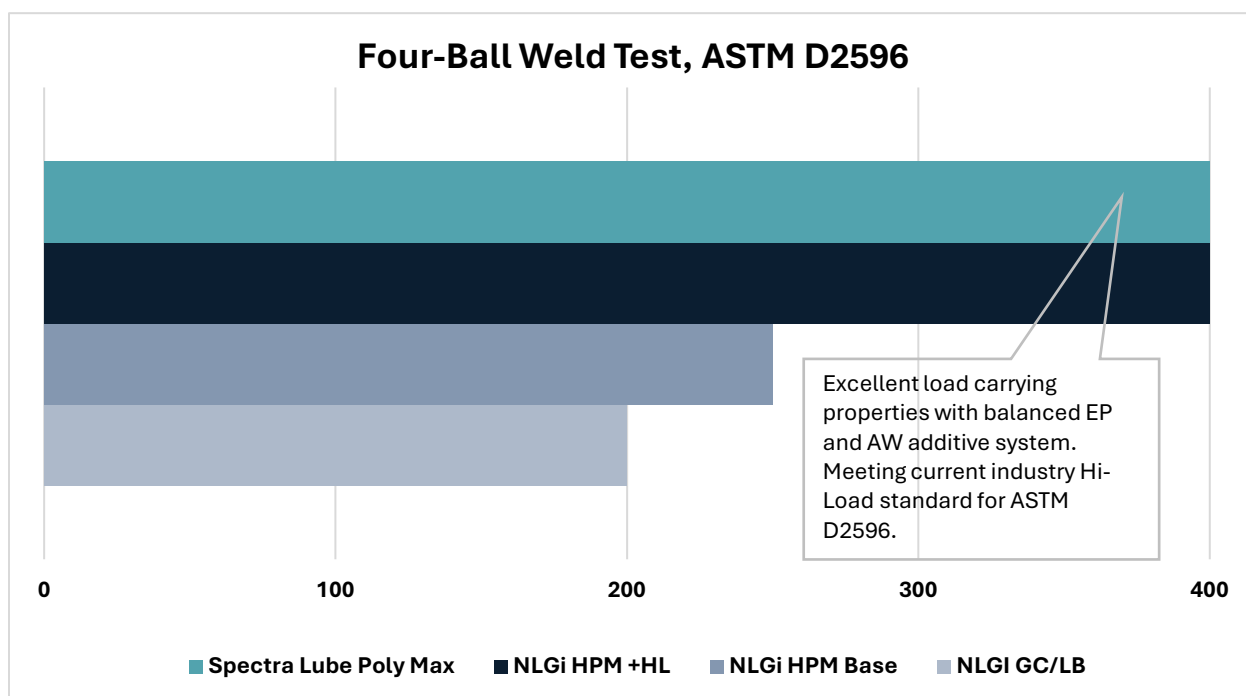


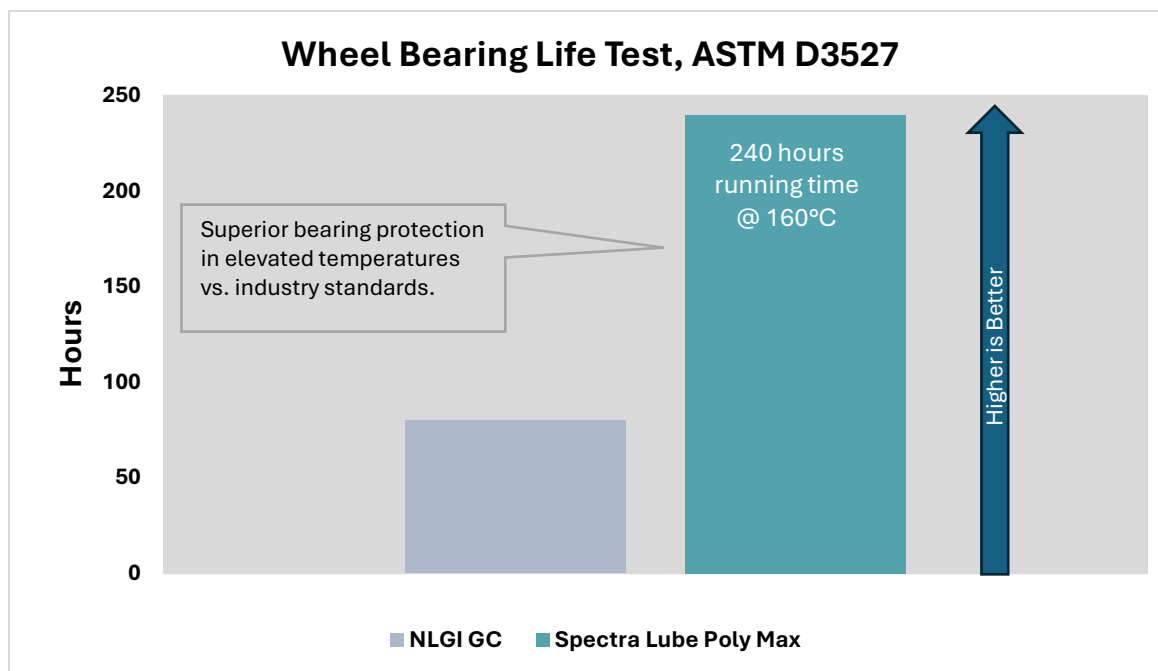
POLY MAX

Spectra Lube Poly Max provides a 22% reduction in wear as compared to industry standards, increasing equipment life.



Excellent EP protection matching NLGI HPM +HL requirements for high load carrying capacity in the Four-Ball Weld Test.





Spectra Lube Poly Max provides superior resistance to oxidation and thermal breakdown in demanding applications for long periods of time. The test method above provides differentiation among wheel bearing greases having distinctly different high-temperature characteristics. The NLGI GC required minimum is 80 hours; in our test, Spectra Lube Poly Max ran for over 240 hours, far exceeding industry standards.

Product Availability

Item #	NLGI #2	Pack Type
459534	SPECTRA LUBE POLY MAX 2	Case, 30/1
459535	SPECTRA LUBE POLY MAX 2	Pail 35 lb.
459536	SPECTRA LUBE POLY MAX 2	Keg 120 lb.
459537	SPECTRA LUBE POLY MAX 2	Drum 400 lb.



POLY MAX

Typical Test Data

Test	Method	Spectra Lube Poly Max
NLGI Grade	NLGI	#2
Penetration @ 25°C W60	ASTM D217	265-295
Thickener Type	---	Polyurea
Color	----	Teal
Appearance	Visual	Smooth/Tacky
Base Oil Viscosity, cSt @ 40°C	ASTM D445	110
Dropping Point (°C/ °F)	ASTM D2265	272°C/522°F
4-Ball EP, Weld Point, kg.	ASTM D2596	400
Load Wear Index	ASTM D2596	57
4-Ball Wear, mm scar dia.	ASTM D2266	0.4
Timken OK Load (lbs.)	ASTM D2509	45
SRV Load Test, N	ASTM D5706	900 N
SRV Fretting Wear Test, mm	ASTM D7594	.36 mm
Steel Corrosion Protection	ASTM D1743	Pass
Copper Corrosion Protection	ASTM D4048	1b
Oxidation Stability, psi loss, 100 hr. @99°C	ASTM D942	1.5
Wheel Bearing Life, hrs.	ASTM D3527	240
Water Washout, (79°C, % loss)	ASTM D1264	1%
Leakage Tendencies, gm loss	ASTM D4290	0.11
Oil separation, 30 hours @ 100°C, % loss	ASTM D6184	<2
Mobility (gm/min), -6.7 °C/ 20°F	US Steel	50
Low Temperature Torque @ -40°F, N-m (15.5 max)	ASTM D4693	6.05