



RED MAX

Spectra Lube Red Max

Spectra Lube Red Max multi-purpose grease is a high-performance lubricant that exceeds GC-LB standards for wheel bearing and chassis applications. This ISO 320 tenacious lithium complex grease provides high load-carrying capabilities to resist component failure by both line and point contact wear mechanisms, ensuring strong protection against extreme pressures and shock loading.

Excellent for high, low, and fluctuating operating temperatures, providing strong film strength and a high degree of mechanical stability. Spectra Lube Red Max effectively reduces wear, resists water washout, water spray-off, and prevents corrosion and rust. The all-around performance of Spectra Lube Red Max makes it a great choice for medium to heavily loaded conditions and elevated temperatures.

Applications

Continuous operation in both off-road and on-highway conditions, such as construction, mining, trucking, agricultural, automotive, and industrial equipment. Specific applications include: high load conditions, bushings, pins, joints, chassis components, and plain and anti-friction bearings.

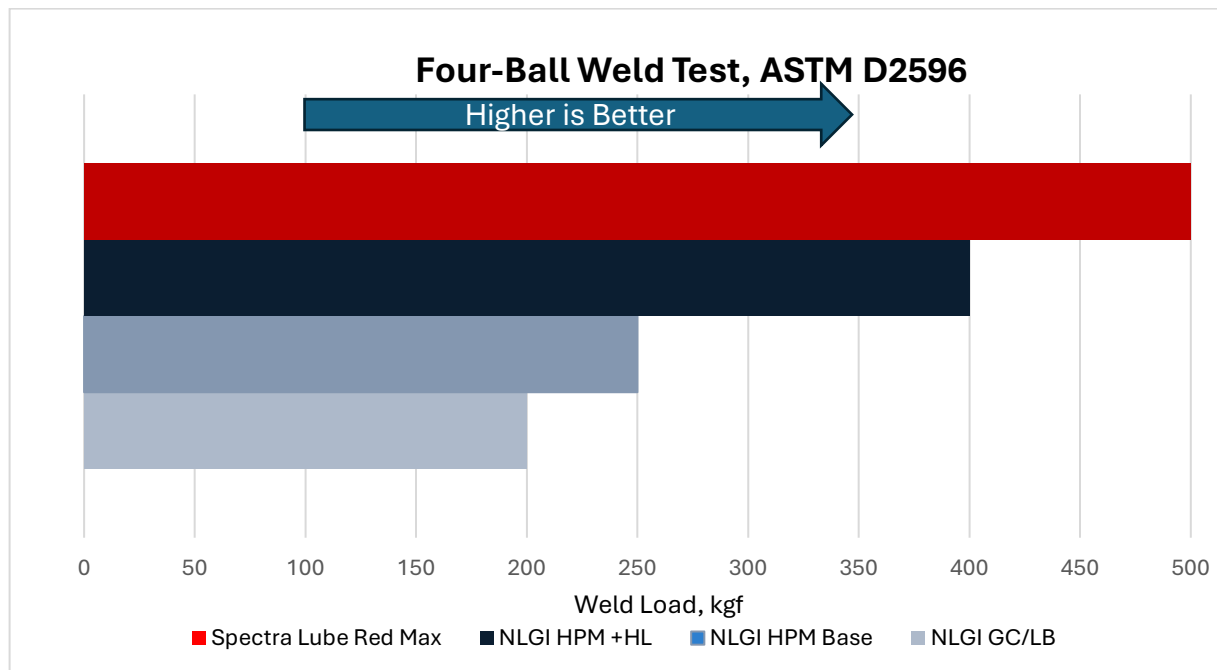
Features/Benefits

- High temperature and extreme loading protection against shock loading
- Excellent extreme pressure and anti-wear protection additives, forming protective layers on metal surfaces to reduce wear and friction
- Balanced stay-in-place/mobility properties ensure good metal adhesion and pumpability.
- Oxidation inhibitors ensure resistance against thermal and oxidative degradation of the lubricant
- Excellent corrosion and rust resistance in various environments
- Excellent resistance against water washout
- Suitable for a wide range of applications
- High-temperature thickening system
- NLGI #1 available for lower temperature pumpability
- Additive system free of heavy metals

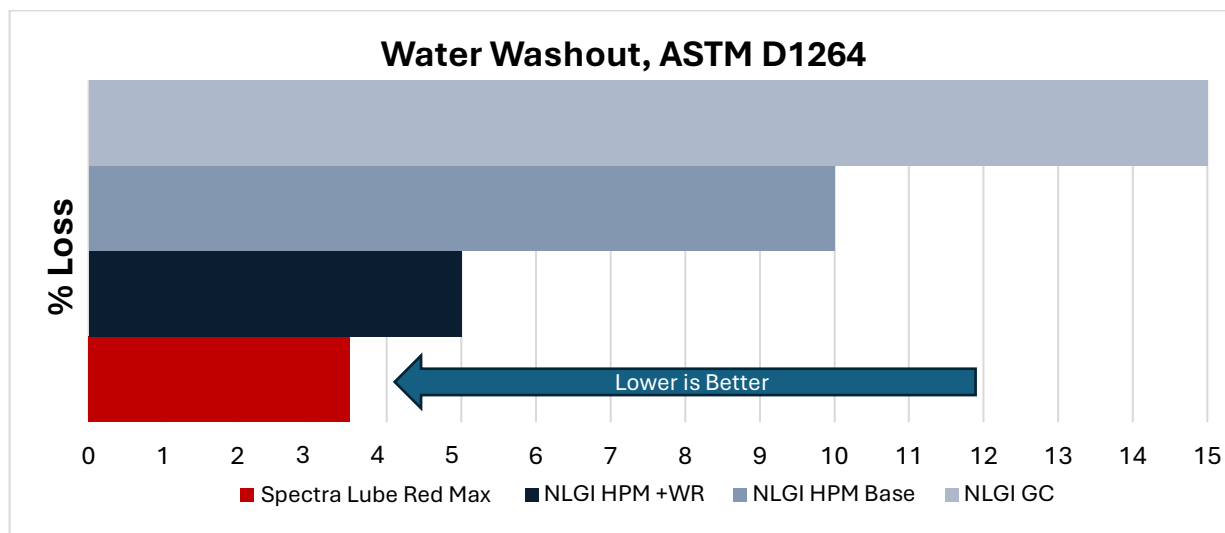


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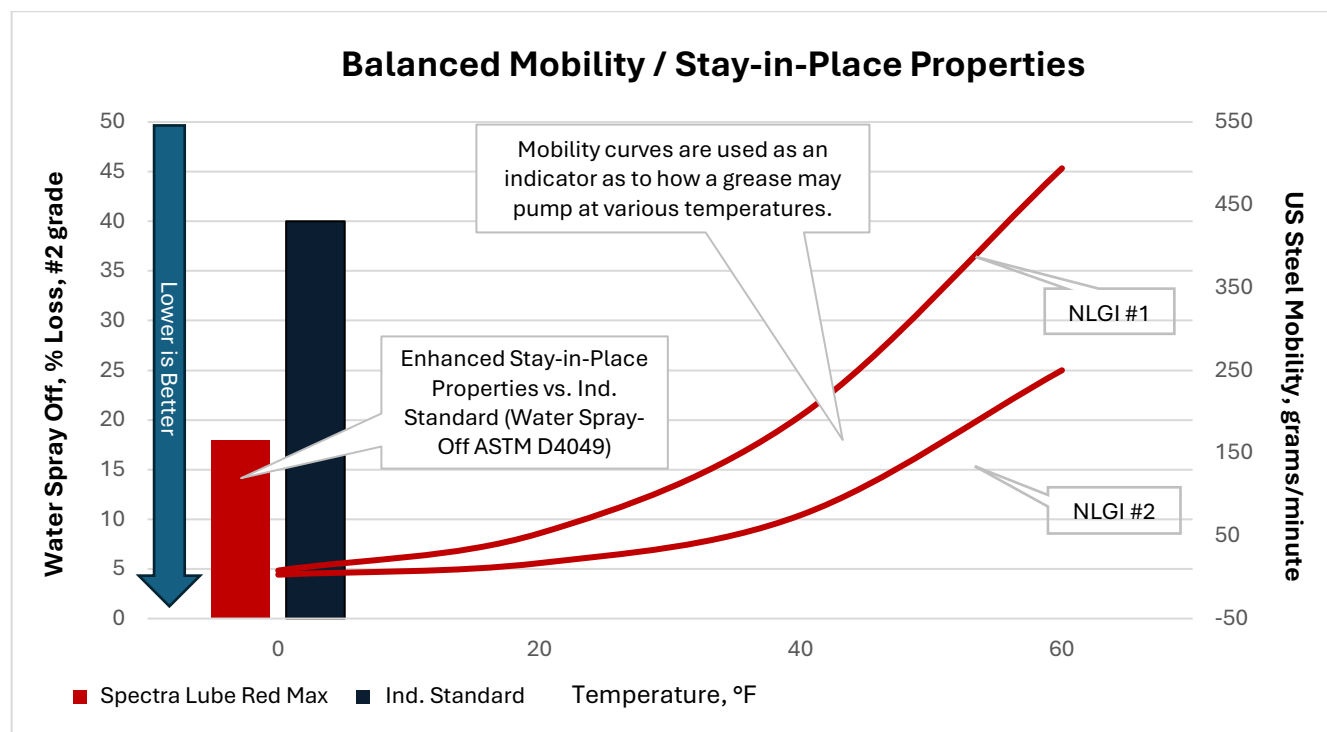
Spectra Lube Red Max additive technology system provides excellent film strength and EP protection, ensuring less wear over time and hard parts' durability.



Enhanced resistance against water washout, ASTM D1264 evaluates the ability of a grease to remain in a bearing in the presence of water (results are in % loss).



Spectra Lube Red Max technology provides a balance of excellent adhesion and good mobility. The purpose of the mobility curve below is to predict the ease or difficulty of pumping at various temperatures. Seasonal grade changes may be necessary depending on ambient temperatures.



The left side of the chart is the Water Spray Off test results, which is a good indicator of the adhesive properties. Spectra Lube Red Max polymer architecture provides excellent “stay-in-place” properties while carefully balancing its ability to pump in a broad range of temperatures.

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.*



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Typical Test Data

Test	Method	Spectra Lube Red Max	Spectra Lube Red Max
NLGI Grade	NLGI	#2	#1
Penetration @ 25°C W60	ASTM D217	265-295	310-340
Thickener Type	---	Lithium Complex	Lithium Complex
Color	----	Red	Red
Appearance	Visual	Smooth/Tacky	Smooth/Tacky
Base Oil Viscosity, cSt @ 40°C	ASTM D445	320	320
Viscosity Index	ASTM D2270	122	116
Dropping Point (°C/ °F)	ASTM D2265	260°C/ 500°F	243°C/ 470°F
4-Ball EP, Weld Point, kg.	ASTM D2596	500	500
Load Wear Index	ASTM D2596	70	70
4-Ball Wear, mm scar dia.	ASTM D2266	.52	.52
Timken OK Load (lbs.)	ASTM D2509	50	50
Fretting wear protection [mg]	ASTM D4170	<10	<10
Wheel Bearing Life, hrs.	ASTM D3527	120	>80
Synthetic Seawater Corrosion (3% Solution)	ASTM D5969	Pass	Pass
Copper Corrosion Protection	ASTM D4048	1b	1b
Water Spray-Off (% wt. loss)	ASTM D4049	18%	40%
Water Washout, (79°C, % loss)	ASTM D1264	2%	5.5%
Mobility @ 15.5°C/60° F (gm/min)	US Steel	250	494

Product Availability

Item #	NLGI #2	Pack Type	Item #	NLGI #1	Pack Type
459514	SPECTRA LUBE RED MAX 2	Case, 30/1	459518	SPECTRA LUBE RED MAX 1	Case, 30/1
459515	SPECTRA LUBE RED MAX 2	Pail 35 lb.	459519	SPECTRA LUBE RED MAX 1	Pail 35 lb.
459516	SPECTRA LUBE RED MAX 2	Keg 120 lb.	459520	SPECTRA LUBE RED MAX 1	Keg 120 lb.
459517	SPECTRA LUBE RED MAX 2	Drum 400 lb.	459521	SPECTRA LUBE RED MAX 1	Drum 400 lb.