



GRAY MAX

Spectra Lube Gray Max

Spectra Lube Gray Max special-purpose grease utilizes the same robust additive system as Red Max; however, Gray Max employs high-purity 3% molybdenum disulfide that provides excellent protection during extremes of high loading and severe shock.

Excellent for high, low, and fluctuating operating temperatures, providing tenacious solid film strength and a high degree of mechanical stability. Spectra Lube Gray Max effectively reduces wear, resists water washout, water spray-off, and prevents corrosion and rust.

Applications

Suitable for heavily loaded equipment such as bulldozers, loaders, off-highway trucks, and shovels. Applications include ball joints, kingpins, bucket pins, and heavy-duty chassis lubrication.

Features/Benefits

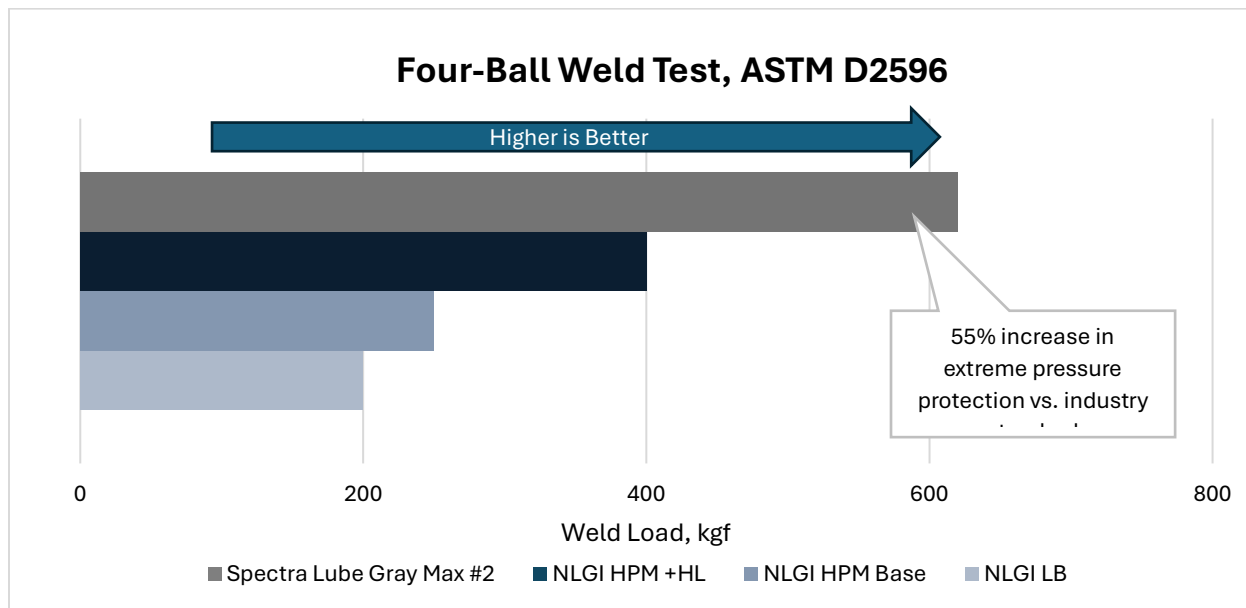
- High temperature and extreme loading protection against shock loading with a high-purity 3% molybdenum disulfide
- Excellent extreme pressure and anti-wear protection additives, forming protective layers on metal surfaces to reduce wear and friction
- Balanced stay-in-place /mobility properties ensuring good metal adhesion and pumpability
- Superior film strength
- 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
- High-temperature thickener system
- Additive system free of heavy metals

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

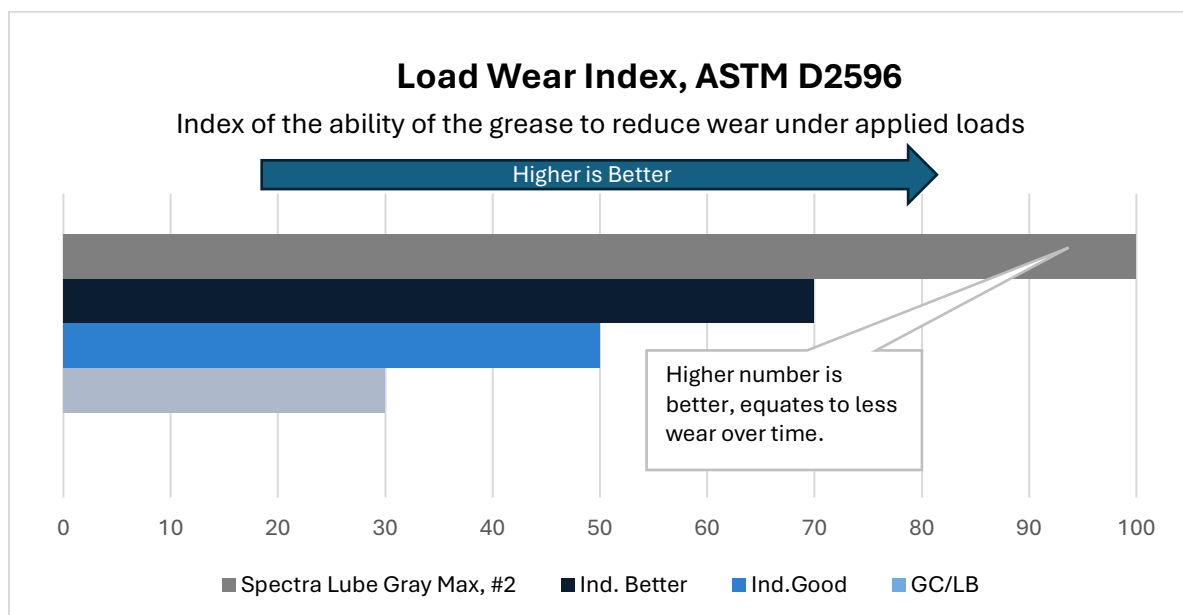


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Spectra Lube Gray Max additive technology system provides excellent film strength and EP protection, ensuring less wear over time and hard parts' durability.



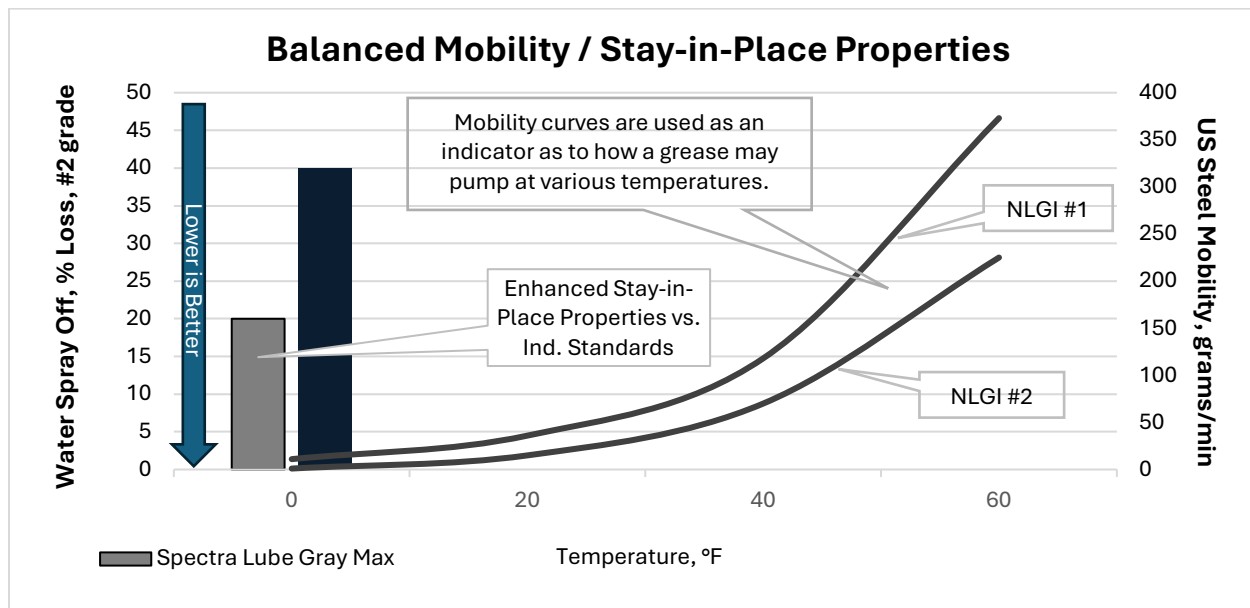
The Load-Wear Index (LWI) is one measurement of the lubricant's ability to withstand heavy loads. It's an index of how effective the lubricant is at reducing wear and protecting your equipment under extreme conditions. **Spectra Lube Gray Max** far exceeds industry standards, providing protection when you need it the most.





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Spectra Lube Gray Max technology provides a balance of excellent adhesion and good mobility. The purpose of the mobility curve is to predict pumping ease or difficulty at various 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 Gray 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.



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Typical Test Data

Test	Method	Spectra Lube Gray Max	Spectra Lube Gray Max
NLGI Grade	NLGI	#2	#1
Penetration @ 25°C W60	ASTM D217	265-295	310-340
Thickener Type	---	Lithium Complex	Lithium Complex
Solid Lubricants	---	3% Moly	3% Moly
Color	----	Gray	Gray
Appearance	Visual	Smooth/Tacky	Smooth/Tacky
Base Oil Viscosity, cSt @ 40°C	ASTM D445	320	320
Dropping Point (°C/ °F)	ASTM D2265	260°C/ 500°F	243°C/ 470°F
4-Ball EP, Weld Point, kg.	ASTM D2596	620	620
Load Wear Index	ASTM D2596	>100	>90
4-Ball Wear, mm scar dia.	ASTM D2266	<.5	<.5
Timken OK Load (lbs.)	ASTM D2509	50	50
Copper Corrosion Protection	ASTM D4048	1b	1b
Steel Corrosion Protection	ASTM D1743	Pass	Pass
Water Spray-Off (% wt. loss)	ASTM D4049	20%	40%
Mobility @ 15.5° C/60° F (gm/min)	US Steel	225	450

Product Availability

Item #	NLGI #2	Pack Type	Item #	NLGI #1	Pack Type
459522	SPECTRA LUBE GRAY MAX 2	Case, 30/1	459526	SPECTRA LUBE GRAY MAX 1	Case, 30/1
459523	SPECTRA LUBE GRAY MAX 2	Pail 35 lb.	459527	SPECTRA LUBE GRAY MAX 1	Pail 35 lb.
459524	SPECTRA LUBE GRAY MAX 2	Keg 120 lb.	459528	SPECTRA LUBE GRAY MAX 1	Keg 120 lb.
459525	SPECTRA LUBE GRAY MAX 2	Drum 400 lb.	459529	SPECTRA LUBE GRAY MAX 1	Drum 400 lb.