



## Product Data Sheet

### Red Max EP1 and EP2

#### Premium Aluminum Complex Lubricating Grease

##### Description

Nemco Red Max EP Grease is a premium aluminum-complex, extreme pressure grease designed for heavy duty use in on-road trucking, construction, industrial, agricultural, and automotive applications. This multi-purpose aluminum-complex grease provides excellent high-temperature performance; both in oxidation resistance and resistance to oil separation.

Red Max EP Grease is fortified with anti-rust, anti-oxidant, extreme pressure and anti-wear additives. This unique formulation provides extreme pressure (EP) and stay-in-place properties. The enhanced mobility and pumpability in cold temperatures make this grease suitable for various methods of dispensing including centralized lubrication systems.

##### Features and Benefits

- EP Performance; Excellent extreme pressure properties reduce wear and maintenance costs.
- Long Life; Outstanding mechanical stability over long periods of rigorous service.
- High Load and Weld Point; Strong protection against heavy pressures and shock loading.
- Wide temperature range of service.

##### Applications

Nemco Red Max EP1 and EP2 Greases are multi-purpose greases suitable for water pumps, fan bearings, roller and needle bearings, plain and anti-friction bearings, flexible couplings, and automotive disc brakes.

##### Meets and/or Exceeds:

- NLGI GC-LB wheel bearing and chassis lubrication for agricultural, automotive and industrial equipment.

##### Availability and product codes

Pack size	10x1 tube case	35lb pail	120lb keg	400lb drum
Red Max EP1	GRGRZ0008	GRGRZ0039	GRGRZ0076	n/a
Red Max EP2	GRGRZ0007	GRGRZ0038	GRGRZ0075	GRGRZ0097*
Availability	Year round / *Contact a Technical Sales Representative			

##### Use and Storage

To get the best performance from your equipment ensure products meet or exceed manufacturing requirements. Lubricants typically have a shelf life of 5 years under ideal storage conditions. Keep containers in good condition and away from moisture. Keep closures securely in place to prevent exposure to air which may cause the product to dry out. Where possible, avoid storage in areas where the temperature fluctuates between extreme highs and lows.

## Typical physical characteristics – Red Max EP Grease

Properties	Method	EP1	EP2
NLGI Grade	ASTM D217	1	2
Soap/Thickener Type		Aluminum Complex	Aluminum Complex
Texture	Visual	Smooth, tacky	Smooth, tacky
Colour	Visual	Red	Red
Worked Penetration, 25°C (77°F), mm/10, 60 strokes	ASTM D217	320	280
Dropping Point, °C (°F)	ASTM D2265	>260(>500)	>260(>500)
Viscosity of Oil, cSt @ 40°C	ASTM D445	320	320
Four-Ball Wear Test, Scar, mm	ASTM D2266	<0.6	<0.6
Four-Ball Weld Point, kg (minimum)	ASTM D2596	500	500
Four-Ball Load-Wear Index, kgf (minimum)	ASTM D2596	70	70
Corrosion Prevention, rating	ASTM D1743	Pass	Pass
Timken OK Load, kg (lb) (minimum)	ASTM D2509	24.9(55)	24.9(55)
Water Spray-Off, wt.% (loss)	ASTM D4049	<70	<40
Mobility Test, @ 60°F, g/min	US Steel	>600	>400
Operating Temperature Range		-25°C to 149°C -13°F to 300°F	-23°C to 163°C -9.4°F to 325°F

These characteristics are typical of current production, variations in these characteristics may occur.

### Health, Safety, & Environment

GHS compliant Safety Data Sheets are available at [nemco.ca](http://nemco.ca) under 'Safety Data Sheets'. For SDS in French, please contact [info@nemco.ca](mailto:info@nemco.ca). This material is classified under WHMIS 2015. Please refer to the SDS which contains valuable information critical to the safe handling and proper use of the product. Always take used grease to an authorized collection point. Avoid discharge into the environment. As with any lubricant, keep out of reach of children and animals.

### Quality

Nemco works with respected industry suppliers and is an active member of ILMA. Nemco Resources Limited manufacturing facility in Winnipeg, Manitoba is proud to be certified to ISO 9001. For questions regarding quality, please contact our Technical Sales representatives.