



Super S[®] EP Gear Compound GL-4

Super S EP Gear Compounds are heavy duty EP (extreme pressure) gear lubricants (GL-4) formulated for use in industrial gear sets, bearings, circulating systems and gear reducers. They protect gears and bearings by providing excellent load carrying capability, water demulsibility, oxidation stability and corrosion resistance.

Super S EP Gear Compounds contain a legacy sulphur-phosphorus additive system that provides outstanding EP properties as well as rust and oxidation inhibition. An additional corrosion and oxidation inhibitor and metal passivator are included to ensure maximum protection of contacting parts.

Designed primarily for use in stationary industrial gear lubrication, the robust additive system also provides adequate wear protection in industrial mobile equipment operating under high loading and shock loading conditions. The reduction in the coefficient of friction may allow for extended service operation under normal operating conditions if an oil monitoring program is in place.

APPLICATIONS

Super S EP Gear Compounds are recommended for :

- Enclosed gear sets calling for EP Gear Oil
- Open gear drives (heavy grades only)
- Gear sets with spur, bevel, spur bevel, spiral bevel or herringbone gears
- Plain and anti-friction bearings, chain drives, sprockets
- Manual transmissions and gear reducers calling for EP Gear Oil
- Bath, splash, circulating or mist systems
- General plant lubrication where EP performance is needed

FEATURES/ BENEFITS

- Multipurpose lubricant designed for use industrial gear sets, bearings, circulating systems calling for an EP Gear Oil
- Available in viscosity grades from ISO VG 68 to ISO VG 680 (AGMA 2EP to 8EP)
- Excellent oxidation resistance and thermal stability
- Provides EP and anti-wear performance
- FZG 12+, Timken OK load 60+lb
- Rust and corrosion protection for gears, bearings and circulation system components
- Excellent water separation and demulsibility
- Excellent performance in high load and/or extreme temperature operations

RECOMMENDATIONS/SPECIFICATIONS

Super S EP Gear Compounds meet the performance requirements of:

SAE J2360

US Steel 224 Gear Oils

AGMA EP Gear Oils 2EP, 3EP, 4EP, 5EP, 6EP, 7EP, 8EP

MAG Cincinnati, Cincinnati Machine P-63 (ISO 68), P-76 (ISO 100), P-77 (ISO 150), P-74 (ISO 220), P-59 (ISO 320), P-35 (ISO 460)

MIL 2105

David Brown Table E, approved (ISO 68 to 680)

•German Std DIN 51517 Part 3 CLP (ISO 68 to 680)

SPECIAL HANDLING, NOTICES OR WARNINGS

Use the same care and handling as for any petroleum product. Provide adequate ventilation as products have a distinctive sulfur-phosphorous odor.

TYPICAL CHARACTERISTICS

Super S EP Gear Compound								
Property	Test Method ASTM -D	ISO Viscosity Grade						
		68	100	150	220	320	460	680
AGMA Grade		2EP	3EP	4EP	5EP	6EP	7EP	8EP
Viscosity cSt @ 40°C	445	68	100	150	220	320	460	680
Flash Point, COC °C/°F	92	221/430	223/435	226/440	232/450	232/450	235/455	238/460
Pour Point, °C/°F	97	-31/-25	-30/-22	-23/-10	-20/-4	-12/10	-9/15	-9/15
Color (max value)	1500	3.5	3.5	3.5	3.5	4.0	4.0	4.0

Typical test data are average values only.
 Minor variations which do not affect product performance are to be expected during normal manufacturing.

PRODUCT NUMBERS

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|-------------|-------------|-------------|-------------|
| ISO 68 | | ISO 320 | |
| SUS 13911 | Bulk | SUS 153-5 | 35 lb pail |
| ISO 150 | | SUS 153 | 400 lb drum |
| SUS 151Bulk | Bulk | ISO 460 | |
| ISO 220 | | SUS 154-5 | 35 lb pail |
| SUS 152-5 | 35 lb pail | SUS 154Bulk | Bulk |
| SUS 152 | 400 lb drum | | |
| SUS 15211 | Bulk | | |