



STARPLEX[®] EP

1, 2

PRODUCT DESCRIPTION

Starplex[®] EP greases are water resistant, extreme pressure, heavy duty chassis and wheel bearing greases.

CUSTOMER BENEFITS

Starplex EP greases deliver value through:

- **Good water resistance** — Good resistance to wash out of bearings.
- **Good rust and corrosion protection**, even in wet conditions.
- **Extreme pressure protection.**
- **Protection against shock loading**, thus promoting long bearing life.
- **Outstanding film strength** and adhesive properties.
- **Good low temperature pumpability** — Easy handling in the container and grease dispensing equipment.

FEATURES

Starplex EP greases are water resistant, extreme pressure, heavy duty chassis and wheel bearing greases.

Starplex EP greases are manufactured using highly refined, select high viscosity index base oils, and a lithium complex soap.

Starplex EP greases are available in two grades:

- **NLGI grade 1** for easy pumpability at low ambient temperatures
- **NLGI grade 2** for use in normal ambient temperatures

FUNCTIONS

Starplex EP greases are formulated to:

- Protect bearings and other metal surfaces from corrosion when exposed to wet conditions.
- Resist water. These greases strongly resist being washed out of bearings.
- Retain their consistency under a wide range of service conditions.
- Provide outstanding film strength and adhesive properties. As a result, Starplex EP greases are particularly effective in providing low wear in shock load service.
- Operate effectively over a wide temperature range.

APPLICATIONS

Starplex EP greases are recommended for:

- use in the lubrication of trucks, tractors, and passenger cars. This includes ball joints, universal joints, chassis points, wheel bearings, water pumps, and fifth wheels.
- boat trailer wheel bearings
- high temperature disc brake bearing applications

Starplex EP greases are approved for the NLGI Certification Mark GC-LB.



NLGI grades 1 and 2 are registered by NSF and are acceptable as a lubricant where there is no possibility of food contact (H2) in and around food processing areas. The NSF Nonfood Compounds Registration Program is a continuation of the USDA product approval and listing program, which is based on meeting regulatory requirements of appropriate use, ingredient review and labeling verification.

Product(s) manufactured in the USA and Colombia.

Always confirm that the product selected is consistent with the original equipment manufacturer's recommendation for the equipment operating conditions and customer's maintenance practices.

A Chevron company product

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TYPICAL TEST DATA

| NLGI Grade | 1 | 2 |
|-------------------------------|-----------------|-----------------|
| Product Number | 277110 | 277111 |
| SDS/MSDS Number | | |
| USA | 23637 | 23637 |
| Colombia | — | 33449 |
| Operating Temperature, °C(°F) | | |
| Minimum ^a | -40(-40) | -40(-40) |
| Maximum ^b | 177(350) | 177(350) |
| Penetration, at 25°C(77°F) | | |
| Unworked | 310 | 267 |
| Worked | 325 | 280 |
| Dropping Point, °C(°F) | 245(471) | 255(491) |
| Four-Ball | | |
| Weld Point, kg | 315 | 315 |
| Wear Scar Diameter, mm | 0.45 | 0.45 |
| Timken OK Load, lb | 50 | 50 |
| Thickener, % | 9 | 12 |
| Type | Lithium Complex | Lithium Complex |
| Viscosity, Kinematic* | | |
| cSt at 40°C | 226 | 226 |
| cSt at 100°C | 20.7 | 20.7 |
| Viscosity, Saybolt* | | |
| SUS at 100°F | 1188 | 1188 |
| SUS at 210°F | 104.2 | 104.2 |
| Viscosity Index* | 107 | 107 |
| Flash Point, °C(°F)* | 274(525) | 274(525) |
| Pour Point, °C(°F)* | -12(+10) | -12(+10) |
| Texture | Tacky | Tacky |
| Color | Red | Red |

a Minimum operating temperature is the lowest temperature at which a grease, already in place, could be expected to provide lubrication. Most greases cannot be pumped at these minimum temperatures.

b Maximum operating temperature is the highest temperature at which the grease could be used with frequent (daily) relubrication.

* Determined on mineral oil extracted by vacuum filtration.

Minor variations in product typical test data are to be expected in normal manufacturing.

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