



Starplex EP 2

High performance long-service multi-purpose grease

(previously known as Delo Starplex EP 2)

Product description

Starplex EP 2 is a high performance long-service grease, for multi-purpose use in ball and roller bearings operating under high temperature conditions, and for long-term lubrication under extreme operating conditions.

Starplex EP 2 is composed of mineral base oils, temperature resistant lithium complex thickener, combined with high performance extreme pressure, anti-wear and anti-corrosion additives.

Customer benefits

- Advanced EP additives and corrosion inhibitors help protect bearings and metal surfaces.
- High dropping point helps minimise leakage and maintenance requirements.
- Designed for good oxidation resistance to offer long grease life.
- Formulated with lithium complex thickener and tackiness additive to offer effective protection in wet conditions.
- Multipurpose capability helps reduce inventory costs and misapplications.

Product highlights

- **Advanced EP formulation offers good bearing protection.**
- **High dropping point helps to minimise leakage.**
- **Designed for good oxidation resistance.**
- **Formulated to offer effective protection in wet conditions.**
- **Multipurpose capability helps reduce inventory costs.**

Selected specification standards include:

DIN	ISO
Mack	Mercedes-Benz
NLGI	Volvo

Applications

- Automotive wheel bearings
- Chassis lubrication
- Highway and off-highway applications
- Construction equipment
- Agricultural tractors
- Heavy-duty transport
- General industrial greasing
- Marine applications

Although Starplex has a very high dropping point, which enables it to provide effective lubrication at temperatures well beyond those possible for conventional lithium soap greases, extended service at such elevated temperatures requires frequent relubrication to prevent oxidative degradation of the mineral base oil occurring.

Not recommended for constant-velocity joints on front wheel drive vehicles.

Product maintenance and handling

Maintaining a clean work environment is critical when equipment greasing is performed. Grease fittings should be wiped clean prior to grease injection to prevent contaminants from entering the equipment. Bearing housings should be maintained one-third to one-half full of grease. Over-greasing should be avoided as excessive heat build-up can result. Periodic relubrication via grease gun or centralised system should be supplemented by complete cleaning and packing with fresh grease on an appropriate schedule.

Approvals, performance and suitable for use

Approvals

- Volvo Corporate Standard STD 1277, 2
- Mercedes-Benz: MB 265.1
- NLGI Service Category GC-LB (in progress)

Performance

- Mack GC-G
- Volvo lubricating grease 97720

	DIN 51 502	ISO 6743-09	Operating temperature
Starplex EP 2	KP 2 N-30	ISO-L-XCDIB 2	-30°C up to 140°C, with centralized lubrication for a short period up to 180°C

Typical test data		
Test	Test Methods	Results
Typical Shelf Life: 36 months from date of filling indicated on the product label		
Appearance	Visual	Red, smooth
NLGI grade	ASTM D217 mod	2
Penetration worked, mm/10	ISO 2137	272
Thickener type		Lithium Complex
Base oil type		Mineral
Base oil viscosity at 40°C, mm ² /s	ASTM D445	220
Dropping Point, °C	IP 396	262
Bearing corrosion test	ASTM D2596	Pass
Copper Corrosion, 24h/100°C	ASTM D4048	1B
Four ball Weld load, N	DIN 51350-4	2600
Four ball Welding Point, kgf	ASTM D2596	315
Wear scar diameter, mm	ASTM D2266	0.4
Density at 15°C, kg/l	IP 530	0.93
Emcor corrosion test distilled water	DIN 51802	pass

The typical test data set out above does not constitute a specification. It is indicative only and can be affected by allowable production tolerances. Chevron may modify this test data. Modified data will supersede all previous data, so please ensure you refer to the latest version of this Product Data Sheet (PDS).

Disclaimer: Data provided in this Product Data Sheet (PDS) is based on standard tests under laboratory conditions and is indicative only. This product should not be used for any purpose other than those expressly set out in this PDS. The user has sole responsibility for verifying that this product is suitable for the user's intended application. Neither Chevron nor its subsidiaries (i) make any warranty or representation as to the accuracy or completeness of this PDS; and/or (ii) accept liability for any loss or damage suffered as a result of the use of this product other than in accordance with the terms of this PDS.

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.

When disposing of used product, take care to protect the environment and follow local legislation.

Safety Data Sheets (SDS's) are available for all Chevron products. If you require a SDS or any further information regarding a Chevron product, please contact your local sales office or see <http://europe.chevronlubricants.com>.

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