



Delo[®] Starplex EP 2

High performance long-service multi-purpose grease (Supersedes Starplex EP 2)

Product description

Delo 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.

Delo 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.

Delo Starplex EP 2 offers good oxidation and mechanical stability and is suited to bearing lubrication under conditions where strong vibrations are Present and prolonged relubrication intervals.

Customer benefits

Saves maintenance costs

Effective EP additive protects against bearing wear under severe conditions and shock loading. The effective rust and corrosion inhibitors protect metal surfaces, even in conditions of severe water exposure.

Minimizes downtime

High dropping point minimizes leakage from bearings at elevated temperatures and excellent oxidation resistance ensures long grease life. Natural water resistance of the lithium complex thickener, combined with the additional tackiness additive, prevents water washout.

Minimizes inventory costs

Multipurpose capability allows use in a wide range of automotive and industrial applications, reducing the number of different greases required and eliminating product misapplication



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

Approvals, performance and recommendations

Approvals

- Starplex EP 2: Volvo Corporate Standard STD 1277, 2

Performance

- DIN 51 502: KP 2 N-30
- ISO 6743-09: ISO-L-XCDHB 2
- NLGI Service Category GC-LB
- Mack GC-G
- Mercedes-Benz: MB 265.1
- Volvo lubricating grease 97720

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

Typical test data		
Test	Test Methods	Results
NLGI Grade		2
Shelf Life: 36 months from date of filling indicated on the product label.		
Operating temperature: -30°C up to 140°C (max 180°C).		
Appearance	visual	Red
Texture	—	smooth
Thickener type	—	Lithium complex
Thickener content, %	—	11
Dropping Point, °C	ISO 2176	>250
Oil type	—	Mineral
Base oil viscosity at 40°C, mm ² /s	DIN 51 562	220
Base oil viscosity at 100°C, mm ² /s	DIN 51 562	14
Penetration worked, 0.1 mm	ISO 2137	280
Four Ball welding point, kgf	ASTM D2596	315
Wear Scar Diameter, mm	ASTM D 2266	0.4
Emcor corrosion test	DIN 51 802	pass
Four Ball EP weld, N	DIN 51 350/4	>2600

The information given in the typical data does not constitute a specification but is an indication based on current production and can be affected by allowable production tolerances. The right to make modifications is reserved. This supersedes all previous editions and information contained in them.

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