



Multifak EP

Multi-purpose EP greases

Product description

Multifak® EP greases offer good mechanical stability and load carrying capacity with good corrosion protection. It is suitable for use in loaded bearings in a variety of wet and dry industrial, commercial and marine grease applications.

Multifak EP greases are multipurpose extreme pressure greases containing highly refined mineral base oils, lithium thickener, extreme pressure (EP) additives and rust and oxidation inhibitors.

Customer benefits

- Formulated for robust mechanical stability in a range of operating conditions
- Offers EP protection to bearings in load carrying applications
- Designed for good corrosion protection in wet environments
- Suitable for use across a wide temperature range

Product highlights

- **Formulated for robust mechanical stability**
- **Helps protect bearings in extreme pressure applications**
- **Designed for good corrosion protection**
- **Suitable for use across a wide operating range**

Selected specification standards include:

Cincinnati Milacron	Daimler Truck
DIN	ISO
MAN	Mercedes Benz
Nato	NLGI LB certification
Volvo	

Applications

Multifak EP greases have high load-carrying capacity and, therefore, provide good protection of lubricated parts against wear. They provide good lubrication in the presence of water, protect bearing surfaces against corrosion, and have excellent resistance to oxidation, which supports long life in storage and in use.

Multifak EP greases are work stable. They resist separation or throw out from antifriction bearings. They have low oil bleeding tendency under pressure and are pumpable at low temperatures.

Multifak EP greases are suitable for use in typical centralized lubrication systems. They can satisfy a wide range of industrial and marine grease applications.

Typical applications include:

- General Machinery - plain, antifriction, roller, and needle bearings
- Construction equipment
- Conveyors and run out rolls.
- Crusher, shaker, or classifier screen bearings
- Chassis lubrication
- Deck equipment

Multifak EP greases are recommended for both plain and antifriction bearings and particularly for bearings subjected to shock loading.

Multifak EP 2 is also designed for use in multi-purpose automotive applications in commercial vehicles and passenger cars, where automotive OEM approvals are required.

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.

Approvals, performance and suitable for use

Approvals

Multifak EP 2 carries following approvals:

- MAN 283 Li-P
- Mercedes Benz 267.0
- Daimler Truck DTFR 33B120
- Volvo 97718
- Nato G-414
- Cincinnati Milacron P-64
- NLGI LB certification (NLGI 1 and NLGI 2)

Performance

NLGI Certification mark GC-LB, for use as automotive chassis and wheel bearing grease according to ASTM D4950

Multifak EP	DIN 51502	ISO 6743-09	Operating temperature
MULTIFAK EP 0	GP 0 K-30/KP 0K-30	ISO-L-XCCEB 0	-30 up to 120°C
MULTIFAK EP 1	KP 1 K-30	ISO-L-XCCEB 1	with short periods up to 140°C
MULTIFAK EP 2	KP 2 K-30	ISO-L-XCCEB 2	

Multifak EP 1 & 2: comply with Timken's recommendation for both plain and antifriction bearings and particularly for bearings subjected to shock loading.

Multifak 0 EP 0 & 2: listed by SMS group SN 180-1

Multifak EP 2: listed by GROB.

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 centralized system should be supplemented by complete cleaning and packing with fresh grease on an appropriate schedule. Old grease should be flushed as much as possible out of the system before applying new grease in order to avoid compatibility problems.

Avoid any spillage of used and unused product to the environment.

Product residue and package/container should be disposed of in dedicated collection points.

Typical test data				
Test	Test Methods	Results		
Viscosity Grade		0	1	2
Shelf Life: 36 months from date of filling indicated on the product label				
Thickener type	DIN 51 814	Lithium		
Dropping point, °C	ISO 2176	>200		
Oil Type		Mineral		
Base oil viscosity at 40°C, mm ² /s	DIN 51562	200	200	200
Penetration worked, 0.1mm	ISO 2137	355-385	310-340	265-295
Copper corrosion 48hrs/120°C	DIN 51811	1	1	1
EMCOR Corrosion test, distilled water	ISO 11007	0/0	0/0	0/0
Water resistance static	DIN 51807-1	1-90	1-90	1-90
Four Ball weld load, N	DIN 51 350/4	2600	2600	2600
Four Ball wear scar, 1min/1000N, mm	DIN 51 350/5	0.5	0.5	0.5

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.

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 www.texacolubricants.com.

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A **Chevron** company product