



# Multifak<sup>®</sup> EP

## NLGI grades 0, 1 and 2

### Product description

Multifak EP greases are multipurpose extreme pressure greases containing highly refined mineral base oils, lithium thickener, EP additives and rust and oxidation inhibitors. It is suitable for use in many industrial, commercial and marine grease applications.

### Customer benefits

Multifak EP greases deliver value through:

- **Good water resistance**  
Resistance to washout of bearings.
- **Good corrosion protection**  
Inhibited to protect bearing surfaces.
- **Good oxidation stability**  
Helps to support long life in storage and in use.
- **Simplified lubrication**  
One grease designed to satisfy many different industrial grease requirements.
- **Low oil separation tendency**  
Recommended for use in typical centralized lubrication systems.

### 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. NLGI grades 1 and 2 comply with Timken's recommendation for this service.

## Approvals, performance and recommendations

### Approvals

- Multifak EP 2: Nato G-414
- Cincinnati Milacron P-64

### Performance

	DIN 51 502	ISO 6743-09	Operating temperature
<b>Multifak EP 0</b>	GP 0 K-30/KP 0K-30	ISO-L-XCCEB 0	-30°C up to 120°C with short periods up to 140°C
<b>Multifak EP 1</b>	KP 1 K-30	ISO-L-XCCEB 1	
<b>Multifak EP 2</b>	KP 2 K-30	ISO-L-XCCEB 2	

### Recommendations

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.

## 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.

Typical test data				
Test	Test Methods	Results		
NLGI Grade	DIN 51 818	0	1	2
<b>Shelf Life: 36 months from date of filling indicated on the product label.</b>				
Thickener type	DIN 51 814	Lithium	Lithium	Lithium
Dropping Point, °C	ISO 2176	>200	>200	>200
Oil type	-	Mineral	Mineral	Mineral
Base oil viscosity at 40°C, mm <sup>2</sup> /s	DIN 51 562	200	200	200
Penetration worked, 0.1 mm	ISO 2137	355-385	310-340	265-295
Copper Corrosion 48h/120°C	DIN 51 811	1	1	1
Emcor corrosion distilled water	ISO 11007	0/0	0/0	0/0
Water resistance static	DIN 51 807/1	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

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

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.

**Disclaimer** Chevron accepts no liability for any loss or damage suffered as a result of using this product for any application other than applications specifically stated in any Product Data Sheet's.

**Health, safety, storage and environmental** Based on current available information, this product is not expected to produce adverse effects on health when used for the intended application and in accordance with the recommendations provided in the Material Safety Data Sheet (MSDS). MSDS's are available upon request through your local sales office, or via the Internet. This product should not be used for purposes other than its intended use. When disposing of used product, take care to protect the environment and follow local legislation.

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