



# Multifak® EP 2 M3 (Formerly Multifak Moly EP 2)

## Multipurpose Extreme Pressure Moly Grease

Product Data Sheet



### Customer benefits

#### Protects metal surfaces

The combination of EP additives and molybdenum disulfide solid film lubricant helps protect against component wear under high load conditions and/or shock loading. Rust and corrosion inhibitors help protect metal surfaces in wet operating conditions. Even if by mistake insufficient grease is used, some molybdenum disulfide tends to stay in place and helps to protect metal surfaces.

#### Enhances service life

Excellent oxidation resistance helps to enhance grease service life.

#### Ease of application

Optimized flow properties provide suitable flow properties for auto grease pump application systems.

#### Reduces complexity

Multipurpose capability allows use in a wide range of heavy-duty automotive and industrial applications, helping to reduce the number of different greases required and thus eliminate product misapplication.

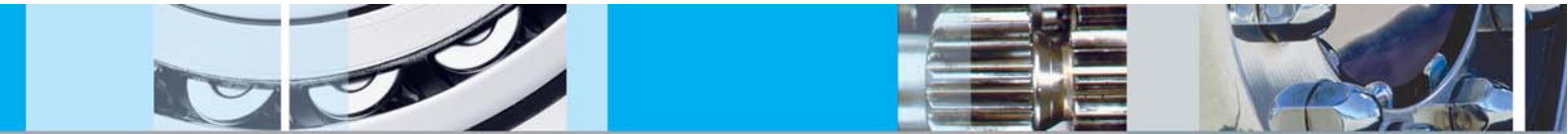
### Applications

- Automotive
- Construction
- Earthmoving, quarrying and mining
- Agricultural equipment
- Chassis grease point lubrication
- Pins, bushings and other sliding surface or pivot points
- Selective types of anti-friction bearings
- Ball joints
- Universal joints (U-joints)
- High and shock load applications

### Product features:

- **Multifak EP 2 M3** is a dark grey, multipurpose EP grease primarily designed for construction, mining and agricultural equipment where an extra measure of protection in shock loading conditions is required.
- **Multifak EP 2 M3** contains a highly refined ISO VG 220 mineral base oil, lithium soap thickener, EP additives, rust and oxidation inhibitors, plus molybdenum disulfide as a solid film lubricant.
- Designed for resistance to centrifugal separation
- Long service life
- Promotes high load carrying
- Offers resistance to water wash
- Formulated to stay in place

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### Performance standards

	DIN 51 502	ISO 6743-09	OPERATING TEMPERATURE
<b>Multifak EP 2 M3</b>	KPF 2K-30	ISO-L-XCCEB2	-30°C up to 120°C with short periods up to 140°C

**Volvo Corporate Standard STD 1277,65 lubricating grease 97765**

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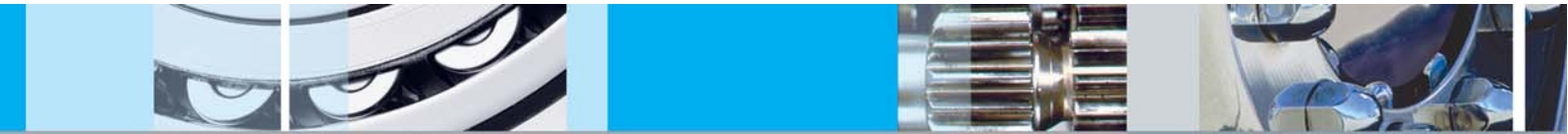
## Typical test data

MULTIFAK® EP 2 M3	RESULTS	
<b>Typical Shelf Life: 48 months from date of filling indicated on the product label*</b>		
<b>Product Number</b>		<b>510884</b>
<b>Operating Temperature, °C</b>		
Minimum		-30
Maximum		120
<b>ISO Viscosity Grade Base Oil Equivalent</b>		220
<b>Base Oil Viscosity Kinematic</b>		
cSt at 40°C	D445	200
cSt at 100°C	D445	17.6
<b>Thickener Type</b>		Lithium
<b>Penetration, at 25°C Worked (60 strokes)</b>	D217	275
<b>Dropping Point, °C</b>	D2265	195
<b>Four Ball Weld Point, kgf</b>	D2596	250
<b>Timken OK load</b>	D2590	18
<b>Copper Corrosion, 24h/100°C</b>	D4048	1B
<b>Molybdenum Disulfide, m%</b>		3
<b>Color</b>		Black

\* Typical Shelf Life: (a) if stored under normal conditions and (b) can be extended after re-testing.

This bulletin was prepared in good faith from the best information available at the time of issue. While the values and characteristics are considered representative, some variation, not affecting performance, can be expected. It is the responsibility of the user to ensure that the products are used in the applications for which they are intended.

Produced by Chevron Global Lubricants: Africa, Middle East and Pakistan



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## **Product maintenance and handling**

The inclusion of molybdenum disulfide provides an extra measure of protection under shock loading which is very common in construction, off-highway transport and agricultural usage. During heavy shock loading, the lubricant film between metal surfaces can be temporarily ruptured or squeezed out. Multifak EP 2 M3 is designed so that some molybdenum disulfide stays in place as a solid film lubricant to help protect metal surfaces, even under extreme shock loading conditions, helping to prevent metal-to-metal contact which could cause component damage. The presence of molybdenum disulfide is also valuable in dirty environments, or when proper re-greasing intervals cannot be followed.

Environment, Health and Safety Information is available on this product in the Material Safety Data Sheet (MSDS) and Customer Safety Guide. Customers are encouraged to review this information, follow precautions and comply with laws and regulations concerning product use and disposal. To obtain a MSDS for this product, visit [www.caltexoils.com](http://www.caltexoils.com).

**For more information, go to [www.chevronlubricants.com](http://www.chevronlubricants.com)**

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