



# Multifak<sup>®</sup> Moly EP 2

## Extreme Pressure Multipurpose Lithium Grease

Product Data Sheet

### Product Features

Multifak Moly EP 2 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 Moly EP 2 contains a highly refined ISO VG 220 mineral base oil, lithium soap thickener, EP additives, rust and oxidation inhibitors, plus molybdenum disulfide solid film lubricant.

### Customer benefits

- **Protects metal surfaces**  
Effective EP additive and molybdenum disulfide solid film lubricant protect against component wear under high load conditions and/or shock loading. Rust and corrosion inhibitors protect metal surfaces in wet operating conditions. Even if insufficient grease is used, some molybdenum disulfide tends to stay in place and protect metal surfaces.
- **Enhances service life**  
Excellent oxidation resistance ensures enhanced grease service life.
- **Ease of application**  
Optimized flow properties provide suitable flow properties for grease pump application systems.
- **Reduces complexity**  
Multipurpose capability allows use in a wide range of heavy-duty automotive and industrial applications, reducing the number of different greases required and eliminating product misapplication.

### Applications

- Automotive
- Construction
- Earthmoving, quarrying and mining
- Agricultural equipment
- Chassis grease point lubrication
- Pins, bushings and other sliding surface or pivot points

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- All types of anti-friction bearings
- Ball joints
- Universal joints (U-joints)
- High and shock load applications

## Performance Standard

|                           | DIN 51 502 | ISO 6743-09  | OPERATING TEMPERATURE                            |
|---------------------------|------------|--------------|--|
| <b>Multifak Moly EP 2</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

## Typical test data

| MULTIFAK MOLY EP 2                                   |                  |               |
|--|------------------|---------------|
| TEST   | TEST METHODS     | RESULTS       |
| <b>NLGI Grade</b>                                    | <b>DIN 51818</b> | <b>2</b>      |
| <b>Product Code</b>                                  |                  | <b>510843</b> |
| <b>Soap type</b>                                     | –                | Lithium       |
| <b>Color</b>   | –                | Dark grey     |
| <b>Molybdenum Disulfide, m%</b>                      | –                | 3             |
| <b>Thickener content, %</b>                          | –                | 9             |
| <b>Worked Penetration, 60 strokes, mm/10</b>         | DIN ISO 2137     | 280           |
|  | DIN ISO 2176     | 210           |
| <b>Dropping Point, °C</b>                            | DIN 51562        | 200           |
| <b>Base Oil Viscosity at 40°C, mm<sup>2</sup>/s</b>  | DIN 51562        | 15            |
| <b>Base Oil Viscosity at 100°C, mm<sup>2</sup>/s</b> | DIN 51802        | 0-0           |
| <b>Emcor Corrosion Test, distilled</b>               | DIN 51811        | 1b            |
| <b>Copper Corrosion, 24 hrs at 100°C</b>             | DIN 51350/1,5    | 0.4           |
| <b>Four Ball Wear, method E, scar diameter, mm</b>   | DIN 51350/1,4    | >3600         |



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*continued*

### Service Considerations

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. When using Multifak Moly EP, some molybdenum disulfide stays in place as a solid film lubricant to protect metal surfaces, even under extreme shock loading conditions, preventing 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.

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 Lubricants; Africa, Middle East and Pakistan.

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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