

Multifak EP 2 M3

Multipurpose Extreme Pressure Moly Grease
(formerly Multifak Moly EP 2)



Product description

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.

Customer benefits and product features

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 helps 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.

Product features

- 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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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 approvals, performance and recommendations

Performance Standards

	DIN 51 502	ISO 6743-09	Operating Temperature
MULTIFAK EP 2 M3	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

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.



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Typical test data

MULTIFAK EP 2 M3	TEST METHOD	RESULTS
Product Code		510884
Operating Temperature, °C (°F)		
Minimum ^a		-30
Maximum ^b		120
ISO Viscosity Grade Base Oil Equivalent		220
Base Oil Viscosity, Kinematic		
cSt at 40°C	ASTM D445	200
cSt at 100°C	ASTM D445	17.6
Thickener Type, m%		Lithium
Penetration, at 25°C Worked (60 strokes)	ASTM D217	275
Dropping Point, °C	ASTM D2265	195
Four Ball, Weld point, kgf	ASTM D2596	250
Copper Corrosion, 24h/100°C	ASTM D4048	1B
Timken Ok Load, kg	ASTM D2590	18
Molybdenum Disulfide, m%		3
Color		Black

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

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 the Product Information Center.

This Product Data Sheet (PDS) was produced for the Africa, Middle East and Pakistan region in good faith from the best information available at the time of issue. The specific information included may not directly reflect the local market or conditions. While the values and characteristics are considered representative, some variation, not affecting performance, can be expected. For the most up-to-date, country-specific information, please contact your local customer service center.

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