



CALTEX

# Delo® Starplex Moly 3% EP 2

Product Data Sheet

## Customer benefits

### Protects metal surfaces

Effective EP additive and additional molybdenum disulfide solid film lubricant protects against component wear under severe conditions and shock loading. Rust and corrosion inhibitors protect metal surfaces, even in conditions of severe water exposure.

### Minimizes downtime

High dropping point minimizes leakage from bearings at elevated temperatures, and excellent oxidation resistance ensures long grease life. Natural water resistance of the lithium complex thickener, the effective tackiness additive and the additional molybdenum disulfide solid film lubricant prevent lubricant failure, even under the wettest conditions.

### Ease of application

Good pumpability characteristics of the lithium complex thickener provide suitable flow properties for most centralized lubrication system applications.

### Reduces complexity

Multipurpose capability allows use in a wide range of automotive and industrial applications, reducing the number of different greases required and eliminating product misapplication.

## Applications

Can include:

- Construction equipment, such as bulldozers, scrapers, earthmovers and cranes
- Backhoes and shovels
- Road rollers
- Bushings and rolling element bearings
- Agricultural tractors, combines and cotton pickers
- Mining equipment
- Heavy-duty transport

Usable temperature range in continuous service is -25 to 130°C.

Maximum temperature for short term exposure is 210°C.

## Product features:

- Delo® Starplex® Moly 3% EP 2 is a premium, multipurpose EP grease.
- Delo® Starplex® Moly 3% EP 2 contains an ISO 460 base oil, lithium complex thickener, EP additives, rust and oxidation inhibitors, tackiness additives, and molybdenum disulfide.

## Typical key properties

DELO® STARPLEX MOLY 3% EP 2		
NLGI Grade	ASTM	2
Product Code		510864
Dropping Point, °C	D2265	230+
Oil Viscosity,		
mm <sup>2</sup> /s @ 40 °C	D445	460
mm <sup>2</sup> /s @ 100°C	D445	30.7
Molybdenum Disulfide, m%		3
Penetration, Worked @ 25°C	D217	280
Timken OK Load, kg	D2509	>25
Four Ball Weld Point, kg	D2596	500

1901

## Performance standards

- ISO 6743-9 ISO-L-XBDEB 2
- DIN 51502 KPF2K-30

Meets the requirements of the following OEM specifications:

- Caterpillar Multipurpose Molybdenum Grease (MPGM) Specification containing 3% molybdenum disulfide (Cat Prime Application Grease NLGI 2)
- Bucyrus SD 4711 MPG - multipurpose grease specifications
- Komatsu Mining Germany Works Standard



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### 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 Delo® Starplex Moly 3% EP 2, 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.

Not recommended for constant-velocity joints on front wheel drive vehicles.

### 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.chevronlubricants.com](http://www.chevronlubricants.com).

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**  
- Asia Pacific