



Delo® Grease ESI HD EP 2

Heavy Duty On- and Off-Road Grease

Product Data Sheet



Customer benefits

Temperature stable

Delo Grease ESI HD EP uses a lithium complex thickener system and has a dropping point of approximately 265°C. Delo Grease ESI HD EP has excellent high temperature stability up to 177°C[†] and can also be recommended for applications operating down to -26°C.**

Effective water resistance

Outstanding water washout and spray-off resistance properties in wet, off-road environments - both submerged and direct pressure. Unique additive technology of these products makes them tenacious at adhering to metal surfaces found in this industry while protecting these vital components from rust and corrosion

Protects metal surfaces

High level of anti-wear and extreme pressure additives protect against component damage by wear and shock loading. Highly loaded parts operating under boundary lubrication conditions are protected, giving longer equipment life and improved reliability. Effective rust and corrosion inhibitors protect metal surfaces under conditions of severe water exposure.

Superb low temperature pumpability[†]

This product is formulated to perform in unusually demanding conditions of high and low temperatures including good pumpability in a variety of lubrication systems.

Applications

Can include:

- On-highway and off-road heavy-duty truck wheel bearings
- On-highway and off-road heavy-duty truck chassis lubrication include steering drag links, kingpins, transmission cross shaft spring pins, shackle pins, brake cam shafts, fifth wheel
- Light duty off-road vehicles
- General automotive wheel bearing and chassis lubrication
- Excellent multi-purpose heavy duty lubricant for both general and industrial farm and agricultural use
- Operating temperature range: -26 to 177°C[†]

Product features:

- A technically advanced, extended service premium grease for a wide variety of on-highway and off-road applications. It is designed for use in plan and anti-friction bearing applications operating under high ambient temperatures and demanding operating conditions.

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‡ Maximum temperature for short term exposure is 177°C (with frequent relubrication).

** Minimum operating temperature is the lowest temperature at which a grease, already in place, could be expected to provide lubrication. Most greases cannot be pumped at these minimum temperatures

* Service intervals of 48,000+ km (30,000+ miles) (or equivalent hours) are recommended for customers who maintain equipment in accordance with OEM requirements for their specific geographic area and specific service of the vehicle.

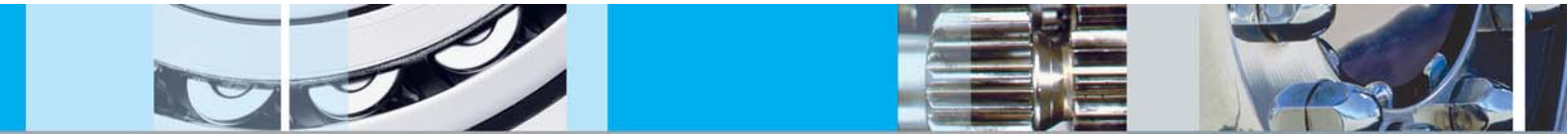
† As compared to Mid-High Viscosity Base Oil Heavy Duty EP 2 Greases

Performance standards

- Mack MG-C

Typical test data

DELO® GREASE ESI HD EP KEY PROPERTIES	TEST METHOD	RESULTS
NLGI Grade	ASTM	2
Product Code		510872
Colour		Red
Dropping Point, °C	D2265	265
Oil Viscosity		
cSt at 40°C	D445	382
cSt at 100°C	D445	25
Penetration, Worked @ 25°C	D217	280
Timken OK Load, kg	D2509	80
Four Ball weld, kg	D2596	500
Four Ball wear scar, mm	D2266	0.43
EMCOR Dynamic Bearing Rust, 10% Synthetic Sea Water	D6138	0, 0



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Service considerations

Delo Grease ESI is designed using high viscosity base oils. These oils offer excellent protection in severe duty, high shock load conditions where typical ambient temperatures are above -26°C (-15°F). Before using in applications involving onboard automatic grease dispensing systems in severe cold climate conditions, you should first consult with your equipment OEM specialist or Chevron Lubrication Specialist.

Not recommended for unheated shops where centralized automatic dispensing systems or long manual grease runs are the preferred method of lubrication and normal operating temperatures are consistently below -7°C (20°F).

Delo Grease ESI HD EP is not intended for use in high-speed bearing applications such as those found in electric motors due to the greases' high viscosity base stocks formulation.

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.

Delo Grease ESI HD EP greases are not intended for use in high-speed bearing applications such as those found in electric motors due to the greases' high viscosity base stocks formulation. When in doubt, please consult your Chevron representative or OEM maintenance manual for application parameters when considering a switch to these greases.

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

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.

For more information, go to www.chevronlubricants.com

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