

Ultra-Duty Grease

Automotive Chassis & Bushing Grease



Product description

Ultra-Duty Grease is a premium, heavy-duty EP grease containing a high viscosity mineral oil, lithium thickener, effective EP additive, rust and oxidation inhibitors and tackiness agent.

Customer benefits

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- **Protects metal surfaces**
Outstanding film strength and effective EP additive helps to protect against component wear under severe conditions and shock loading. Extreme tackiness maintains sealing collar of grease around bushings which prevents the ingress of abrasive dirt. Excellent resistance to water wash out helps to ensure lubrication is maintained under extremely wet and muddy conditions.
- **Excellent adhesiveness**
Excellent adhesiveness helps to ensure grease stays in place and resists leakage, even in the most severe and shock load conditions, making it possible to extend relubrication intervals.
- **Protects against corrosion**
Highly effective rust and corrosion inhibitors help to protect metal surfaces, even under extremely wet conditions.

Product features

- Ultra-Duty Grease has stay-in-place properties that make it particularly suitable for automotive equipment operating in wet, muddy or dusty conditions.
Red in color.

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Applications

Ideally suited for mining, construction, forestry, dredging and similar heavy duty applications subject to high loads and water conditions and where good sealing is required to protect from contaminants.

- Heavy-duty transport
- Chassis lubrication
- Construction equipment
- Agricultural tractors
- Off-highway construction
- Mining
- Logging and forestry
- Quarrying

For wheel bearing lubrication of on-highway vehicles, other products that are specifically designed for this application, such as Caltex Starplex EP, are generally preferred.

Usable temperature range in continuous service is:

- NLGI 1: -20 to 140°C
- NLGI 2: -10 to 140°C

Maximum temperature for short term exposure is 155°C for NLGI 1 grade and 165°C for NLGI 2.

Service considerations

Because of the heavy base oil viscosity and outstanding adhesive properties of Ultra-Duty Grease, it is recommended that a heavy follower plate be used in air-driven grease pumps. Depending on pipe sizing and distance, pumping rates will be lower than for conventional greases of the same NLGI grade. It may be necessary to use Ultra-Duty Grease 1 where pumpability is a primary requirement. Not suitable for wheel bearings.

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Typical test data

| ULTRA-DUTY® GREASE | RESULTS | |
|----------------------------|---------------|---------------|
| NLGI Grade | 1 | 2 |
| Product Code | 540951 | 540952 |
| Dropping Point, °C | 174 | 180 |
| Oil Viscosity, | | |
| mm ² /s @ 40°C | 334 | 380 |
| mm ² /s @ 100°C | 21.0 | 29.1 |
| Penetration, Worked @ 25°C | 325 | 280 |
| Thickener (Lithium), m % | 6 | 9 |
| Timken OK Load, kg | 32 | 32 |

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

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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 Asia Pacific region based on the best available information at the time of issue. The specific information included may not directly reflect the market or conditions, and may vary. For the most up-to-date, country-specific information, please contact your local customer service center.

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