



MOBIL DELVAC MODERN GREASE SERIES

Mobil Grease , United States

Extreme pressure grease for heavy duty on-highway, agriculture, and off-highway service.

Product Description

Mobil Delvac Modern Grease Series has replaced the Mobil Delvac Xtreme Grease Series. There are no formulation changes thereby ensuring no impact on product compatibility or handling. Furthermore, there are no comingle restrictions on mixing products with old and new names. Technical claims and product performance remains unchanged.

Mobil Delvac Modern Grease Series is a multi-purpose commercial vehicle grease family designed for high performance extreme-pressure protection. These products are formulated with an advanced thickener formulation for extended service capabilities, helping give peace of mind especially when re-application is difficult or limited. Mobil Delvac Modern Grease 2 & Mobil Delvac Modern Grease Moly 2 are NLGI Grade 2, while Mobil Delvac Modern Grease Moly 1 is NLGI Grade 1.

Mobil Delvac Modern Grease 2 is manufactured with a proprietary, high-temperature lithium complex thickener system. It exhibits excellent resistance to softening under severe working conditions and provides good adhesion and cohesion. An extreme-pressure additive provides exceptional protection against wear and shock loads, while additional additives enhance resistance to high-temperature oxidation and protection against rust.

Mobil Delvac Modern Grease Moly 1 & 2 are both manufactured with a proprietary, high-temperature lithium complex thickener system. They exhibit excellent resistance to softening under severe working, and provide good adhesion and cohesion. A 2-phase extreme-pressure additive system provides exceptional protection against wear and shock loads, while additional additives enhance resistance to high-temperature oxidation and protection against rust. Other formulation features provide very good resistance to water wash, and long service in bearings operating at high temperatures. These heavy-duty, severe-service greases have outstanding structural stability and chemical stability, will not corrode steel or copper bearing alloys, and are compatible with conventional seal materials.

Mobil Delvac Modern Grease Series is recommended for use in heavy-duty truck applications requiring high extreme pressure protection, especially hinge and bucket pins, and fifth wheels. They are also recommended for agriculture, construction and mining sector applications, particularly for the lubrication of plain and antifriction bearings in construction and mining vehicles working under severe operating and weather conditions requiring up to 3% moly (that is, molybdenum disulfide). Mobil Delvac Modern Grease Moly 1 and Moly 2 are fortified with 3% moly (that is, molybdenum disulfide) to provide enhanced Extreme Pressure (EP) and Anti-wear (AW) protection in heavily loaded and high sliding applications. The recommended application temperature range for Mobil Delvac Modern Grease Moly 2 is -20° C to +145° C, Mobil Delvac Modern Grease Moly 1 is a winter-grade product and is recommended for cold-temperature service. It's recommended application temperature range for is -30° C to +145° C.

Features and Benefits

Mobil Delvac Modern Grease Series is designed specifically to meet the needs of customers with heavily loaded equipment that require high EP/antiwear performance which remain in place even in tough conditions of water wash, high sliding and high temperature. These greases are targeted especially for over-the-road commercial vehicles (class 1 – 8), agriculture, light-to-medium duty construction, and offer the following features and potential benefits:

Features	Advantages and Potential Benefits
Advanced thickener formulation	Extended grease service capabilities with strong tackiness performance, helping give peace of mind especially when re-application is limited
Tenacious extreme-pressure and antiwear protection (Mobil Delvac Modern Grease Moly products only)	Lower maintenance costs and less unanticipated downtime, fortified with 3% moly (that is, molybdenum disulfide) to help maximize protection against extreme pressure events.
Excellent resistance to rust and corrosion	Helps protects equipment in the presence of water for reduced maintenance and longer equipment life

Features	Advantages and Potential Benefits
Excellent resistance to water, including spray off and wash out	Maintains excellent lubrication of components in presence of heavy water contamination

Applications

Mobil Delvac Modern Grease Moly 1 & 2:

- On-highway commercial vehicle applications from class 1 through 8 (including fifth wheel, and chassis) requiring solid additives.
- Medium to heavy duty off-highway construction applications requiring moly (that is, molybdenum disulfide) or other solid additives.
- Agricultural equipment.

Mobil Delvac Modern Grease 2:

- Heavy-duty trucks, especially hinge and bucket pins, U-joints, and fifth wheels
- Mining and construction equipment
- Highly loaded plain and antifriction industrial bearings.

Properties and Specifications

Property	MOBIL DELVAC MODERN GREASE 2	MOBIL DELVAC MODERN GREASE MOLY 1	MOBIL DELVAC MODERN GREASE MOLY 2
Grade	NLGI 2	NLGI 1	NLGI 2
Thickener Type	Lithium Complex Greases	Lithium Complex Greases	Lithium Complex Greases
Color, Visual	Orange	Gray-Black	Gray-Black
Copper Strip Corrosion, 24 h, 100 C, Rating, ASTM D4048	1A	1A	1A
Corrosion Preventive Properties, Rating, ASTM D1743	PASS	PASS	PASS
Dropping Point, °C, ASTM D2265	305	270	295
Four-Ball Extreme Pressure Test, Weld Point, kgf, ASTM D2596	315	400	400
Four-Ball Wear Test, Scar Diameter, mm, ASTM D2266	0.5	0.5	0.5

Property	MOBIL DELVAC MODERN GREASE 2	MOBIL DELVAC MODERN GREASE MOLY 1	MOBIL DELVAC MODERN GREASE MOLY 2
Penetration, 60X, 0.1 mm, ASTM D217	280	325	280
Viscosity @ 100 C, Base Oil, mm2/s, ASTM D445	23.9	14.5	23.9
Viscosity @ 40 C, Base Oil, mm2/s, ASTM D445	320	150	320
Viscosity Index, ASTM D2270	95	94	95
Water Washout, Loss @ 79 C, wt%, ASTM D1264	6	12	6

Health and Safety

Health and Safety recommendations for this product can be found on the Material Safety Data Sheet (MSDS) @ <http://www.msds.exxonmobil.com/psims/psims.aspx>

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Typical Properties are typical of those obtained with normal production tolerance and do not constitute a specification. Variations that do not affect product performance are to be expected during normal manufacture and at different blending locations. The information contained herein is subject to change without notice. All products may not be available locally. For more information, contact your local ExxonMobil contact or visit www.exxonmobil.com

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