



ULTI-PLEX[®] HV SYNTHETIC GREASE EP

PRODUCT DESCRIPTION

Ulti-Plex[®] HV Synthetic Grease EP is a high performance grease specially formulated for extreme pressure bearing applications operating under high and low temperature conditions and for those difficult applications requiring extended lubrication intervals.

CUSTOMER BENEFITS

Ulti-Plex HV Synthetic Grease EP delivers value through:

- **High temperature stability** up to 232°C (450°F). High temperature stability indicates the highest temperature at which the grease could be used with frequent (daily) relubrication.
- **Low temperature lubrication** down to -40°C (-40°F). Low temperature lubrication is the lowest temperature at which a grease already in place could be expected to provide lubrication but may not maintain pumpability.
- **Excellent corrosion and wear protection.**
- **Excellent water resistance.**
- **Optimal relubrication intervals.**

FEATURES

Ulti-Plex HV Synthetic Grease EP is a high performance grease specially formulated for extreme pressure bearing applications operating under high and low temperature conditions and for those difficult applications requiring extended lubrication intervals.

It is manufactured using highly refined high viscosity synthetic base oil, a lithium complex thickener, rust and oxidation inhibitors, and extreme pressure and tackiness additives. It is light tan in color and smooth and buttery in texture.

Ulti-Plex HV Synthetic Grease EP provides an alternative for high temperature applications. The uniform molecular structure of the synthetic base oil minimizes friction between moving parts and boosts lubrication performance over a wide temperature range.

The high viscosity index of the synthetic base oil allows bearings lubricated with Ulti-Plex HV Synthetic Grease EP to operate at temperatures as low as -40°C (-40°F).



Product(s) manufactured in the USA.

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.

A **Chevron** company product

24 June 2013
GR-135

© 2001-2013 Chevron U.S.A. Inc. All rights reserved.

Chevron, the Chevron Hallmark and Ulti-Plex are trademarks owned by Chevron Intellectual Property LLC. All other trademarks are property of their respective owners.

APPLICATIONS

Ulti-Plex® HV Synthetic Grease EP is recommended for use in applications with operating temperatures up to 232°C (450°F) with a dropping point of approximately 280°C (536°F).

Ulti-Plex HV Synthetic Grease EP is ideal for a wide variety of applications across several industries, including:

- **Paper and Forest Products** — Ulti-Plex HV Synthetic Grease EP is designed for heavily loaded, low speed bearings which may be found in sludge presses and washers.
- **Mining/Mineral Processing** — Ulti-Plex HV Synthetic Grease EP is particularly recommended for:
 - mining operations that involve extreme pressure applications requiring low temperature pumpability. Applications include: pins and bushings on buckets and loaders, shaker screens, crushers, and conveyors
 - low temperature mining applications
 - automatic lubricating systems in onboard shovels, trucks, and other mobile equipment
 - kiln and cooling bed bearings
- **Off-Road Construction** — Ulti-Plex HV Synthetic Grease EP is ideally suited for lubrication systems that involve pumping grease through long supply lines at low temperatures. Ulti-Plex HV Synthetic Grease EP is formulated to minimize water washout in off-road environments.
- **Marine** — The rust and corrosion inhibition properties of Ulti-Plex HV Synthetic Grease EP make it ideal for use in marine equipment exposed to severe corrosion environments. Examples include deck equipment, offshore drilling equipment, grease lubricated shaft bearings, cranes, and windlass winches.

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.

TYPICAL TEST DATA

NLGI Grade	1.5
Product Number	250500
MSDS Number	8268
Operating Temperature, °C(°F) Minimum ^a Maximum ^b	-40(-40) 232(450)
Penetration, at 25°C(77°F) Unworked Worked	295 315
Dropping Point, °C(°F)	280(536)
Timken OK Load, lb	50
Four-Ball Weld Point, kg Wear, Scar Diameter, mm	500 0.5
Load Wear Index, kg	95
Bearing Water Washout, wt % loss at 175°F	7
Lincoln Ventmeter, psig at 30 s, at 75°F 30°F 0°F	300 550 960
Copper Corrosion	1b
Thickener, % Type	13.0 Lithium Complex
ISO Viscosity Grade, Base Oil Equivalent	1500
Viscosity, Kinematic (Base Fluid) cSt at 40°C cSt at 100°C	1248 100
Viscosity, Saybolt (Base Fluid) SUS at 100°F SUS at 210°F	5783 467
Viscosity Index (Base Fluid)	168
Flash Point, °C(°F) (Base Fluid)	302(576)
Texture	Smooth, Buttery
Color	Light Tan

a 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.

b Maximum operating temperature is the highest temperature at which the grease could be used with frequent (daily) relubrication.

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