

## 513M | Armor Plate with Moly-D XHP Gear Lubricant

### DESCRIPTION:

Armor Plate with Moly-D XHP 513M as a fully balanced multi-grade gear lubricant which provides superior shear stability and thermal stability, and protects critical drivetrain components at temperatures 100°F above the operating capability of conventional GL-5 gear lubricants. This gear lubricant suffers no significant viscosity loss even after 50,000 miles of operation in hypoid axles, and a wide operating temperature range is provided with its low temperature flow characteristics. 513M far exceeds the performance level most widely demanded by equipment manufacturers.

### COMPOSITION:

The XHP formulation of 513M is based on completely shear stable and thermally stable lubricant components and additive chemistry to give the necessary oxidation stability, rust protection, extreme pressure properties, and controlled chemical activity to meet full scale and laboratory tests required by the MIL-L-2105D specifications. This product contains dispersants and anti-oxidants which provide a level of thermal stability and deposit control not found in other GL-5 gear lubricants without sacrificing demulsibility. In addition, it contains a special adhesive/cohesive additive for more positive lubrication and a seal swell agent to condition seals and help reduce leakage.

### PERFORMANCE CHARACTERISTICS:

Armor Plate with Moly-D XHP 513M is a thermally stable, extra high performance automotive gear oil. Below are the superior features of the XHP additive system:

- GL-5+/MT-1
- Superior Thermal Stability
- Excellent Corrosion Protection
- Complete Shear Stability
- Excellent Water Resistance
- Extended Oil Seal Life
- Reduced Operating Temperature
- Reduced Wear
- Exceeds all applicable military, industry, and equipment manufacturers' performance standards.
- High Extreme Pressure Ratings
- Exceptional Component Cleanliness

### USES:

Armor Plate with Moly-D XHP 513M is recommended for heavy duty hypoid and spiral bevel axles, manual transmissions, transfer cases or power dividers, limited slip differentials, automotive gears, and for axles using phosphate treated gears where MIL-L-2105D products are specified.

### APPLICATIONS:

513M is designed for use where a SAE 90, 140, or 85W-140 weight gear lubricant is recommended. The SAE weight recommended for any particular piece of equipment is found in the owner's manual or Check Chart.

This product will blend readily with most any approved petroleum base gear lubricant of the same SAE weight; however, it delivers optimum performance when used exclusively in any gear box or application to which it is introduced.



# PRIMROSE PLUS

## 513M Armor Plate with Moly-D XHP Gear Lubricant

**TYPICAL  
SPECIFICATIONS:**

SAE Viscosity	85W-140
API Gravity	26.0
Flash Point, °F	540
Viscosity Index	100
Pour Point	-5
Foam, all sequence tests	Pass
Corrosion, 3 hrs @ 212°F	Pass
Precipitation Number	None
Timken Load Test, lbs	55