

## 213M | **Armor Plate with Moly-D** Multifunction Industrial Oil

**DESCRIPTION:**

Armor Plate with Moly-D 213M is an emerald green fluid formulated with refined base stock oils, combined with special additives, which provides a premium multigrade oil capable of operation under widely varying ambient temperature conditions.

**COMPOSITION:**

Specially compounded base stock oils and VI improvers maintain excellent low temperature flow properties and also provide high enough viscosity at high operating temperatures to maximize system efficiency. A seal conditioner is also added to help prevent leakage. In addition, 213M contains the following additives:

- Oxidation Inhibitors
- Anti-foam Agents
- Anti-wear Agents
- Rust Inhibitors
- Corrosion Inhibitors
- Pour Point Depressants

**PERFORMANCE  
CHARACTERISTICS:**

Armor Plate 213M with its high viscosity index provides the proper viscosity even under drastically changing operating conditions. In addition, with close tolerance surfaces, it provides the positive lubrication that is necessary to prevent excessive wear.

Oxidation unchecked is approximately doubled for every 20-degree rise in temperature. 213M has excellent thermal and oxidative stability. It passes a 5,000-hour ASTM D943 Oxidation Stability Test. It prevents oxidation, which can clog small orifices and tightly fitted parts and lead to corrosion of metal surfaces. Special additives prevent rusting by forming a protective film on metal surfaces.

Armor Plate 213M exceeds the requirements of the Vicker's Pump Test (ASTM D-2882) with a weight loss due to wear of only 3 mg where as much as 50 mg is allowed. It also exceeds the requirements of Abex-Denison and Cincinnati-Milacron as well as virtually all other industrial hydraulic oil requirements.

**USES:**

Armor Plate 213M is recommended for all industrial applications, especially where great changes in operating temperatures are encountered and where manufacturers specify the use of ashless anti-wear type fluids. Also available as a grade 5/20.

**APPLICATIONS:**

- Compressor Oil
- Drip Oil
- Hydraulic Fluid
- Turbine Oil
- Spindle Oil
- Gear Head Oil



# PRIMROSE PLUS

## 213M Armor Plate with Moly-D Multifunction Industrial Oil

### TYPICAL SPECIFICATIONS:

Viscosity Grade	10/40
Viscosity	
SUS @ 100°F	407
SUS @ 210°F	70
CSt @ 40°C	87.8
Viscosity Index	158
Appearance	Emerald Green
API Gravity	29.8
Flash COC °F	405
Pour °F	-20
Foam, ASTM D892	
Seq 1, 11, 111	25/0
Oxidation Stability, ASTM D943	5,000 hrs
Rust Test, ASTM D665B	Pass
Corrosion Strip Corrosion	
3 hrs @ 212°F, ASTM D130	1
Acid No., ASTM D664	1.3
4-Ball Wear Scar, MM (ASTM D2266)	0.10