

## 213 MOLY LIQUID CHAIN LUBE

Moly Liquid Chain Lube is an extreme pressure liquid chain lube that is specially formulated to lubricate slow to moderate moving chains found in automotive, industrial, construction and mining applications.

Moly Liquid Chain Lube is compounded from the finest high viscosity index solvent refined severely hydro-treated 100% paraffin base stocks available and a combination of special friction releasing and extreme pressure additives, and rust and corrosion inhibitors. This unique formula provides the following performance benefits:

- **Rapid and maximum penetration into the pins and bushings reducing wear, chain stretch and dripage of the product into processing and production areas.**
- **Rapid penetration into the pins and bushings and the pores of the metal surfaces of the chains in order to help free frozen chains and prevent new chains from freezing.**
- **Elimination of contamination buildup.**
- **Quickly produces flexible chain action.**
- **Elimination of chain stick/slip motion.**
- **Superior rust and corrosion protection.**
- **Formation of a protective layer that rejects abrasive particles such dirt, sand and salt.**
- **Excellent displacement of moisture.**
- **Formation of a protective barrier against moisture.**
- **Superior extreme pressure and anti-wear properties that increases chain life and reduces downtime.**
- **Elimination of any residual oils or residues that can pick up dust or dirt.**
- **Quieting and elimination of noisy chains.**
- **Will not affect any seal materials and coatings**
- **Will not swell or shrink O-rings**

Further blended into this unique formula is molybdenum disulfide. The molybdenum disulfide adheres to the metal surfaces forming an indestructible long lasting solid lubricant film. This long lasting solid lubricant film resists removal by water and heat and is capable of withstanding pressures up to 500,000 pounds per square inch. This solid lubricant film also reduces the friction on the pins, rollers and bushings, thus allowing the life of the chain and the sprockets to be consistently tripled.

Moly Liquid Chain Lube also contains a tackiness additive which allows the Moly Liquid Chain Lube to hang on the chains during use, thus preventing sling off and dripping.

The viscosity of Moly Liquid Chain Lube #1 is ISO 150, while the viscosity of the Moly Liquid Chain Lube #2 is ISO 460.

## TYPICAL PROPERTIES

	#1	#2
API Gravity 60°F, ASTM D287	26	27
Specific Gravity 60°F	0.895	0.895
<b>ISO Grade</b>	<b>150</b>	<b>460</b>
AGMA Grade	4 EP	7 EP
Viscosity SUS 100°F, ASTM D445	833.6	2118.9
Viscosity SUS 210°F, ASTM D445	75.5	123.1
Viscosity cSt 100°F, ASTM D445	179.93	457.41

**ISO Grade**

Viscosity cSt 210°F, ASTM D445

Viscosity cSt 40°C, ASTM D445

Viscosity cSt 100°C, ASTM D445

Viscosity Index, ASTM D2270

Flash Point °F/°C, ASTM D92

Fire Point °F/°C, ASTM D92

Pour Point °F/°C, ASTM D97

Timken EP Test ASTM D2782

Ok load, lb.

Four Ball EP Test ASTM D2783

Weld Point, kg

Load Wear Index, kg.

Four Ball EP Test ASTM D2266

Scar Diameter, mm

Copper Strip Corrosion Test

ASTM D130

Rust Test ASTM D665

Procedure A (Distilled Water)

Procedure B (Salt Water)

**150**

14.39

157.58

13.96

98

480°/249°

530°/277°

10°/-12.22°

65

315

45

.51

1a

Pass

Pass

**460**

25.66

442

24.78

100

510°/265.5°

540°/282.2°

25°/-3.89°

65

315

45

.51

1a

Pass

Pass