



Authorized Distributor  
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## Metal Treatment MT-10®

### Product Data Sheet

### Automotive Applications

#### General Information

- Antifriction lubricant additive
- Compatible with all petroleum & most synthetics
- Lubrication technology based on tribologic methods that improve lubricity & load-carrying capacity
- Treats the metal – not the oil – by improving metal surface characteristics & creating a stable chemical, corrosion-controlled halide boundary film
- Contains no solid lubricants, chlorinated solvents or phosphate compounds

#### Typical Applications

- Engines – gasoline & diesel, including small engines, i.e. 2-cycle
- Transmissions – automatic & standard
- Differentials
- Power steering / rack assembly units

#### Key Features & Benefits

- Polishes, seals & protects metal surfaces of bearings, pistons, cam, crankshaft, lifters, gears & all other internal, moving metal parts
- Reduces friction-related heat & wear
- Enhances engine performance
- Optimizes transmission performance
- Lowers operating temperatures
- Increases horsepower
- Reduces oil consumption
- Improves fuel mileage
- Extends equipment life by improved lubrication
- Reconditions rack piston & cylinders to return smooth & easy operation to the unit
- Reduces maintenance & repair costs
- Will not build up or change tolerances

#### Container Availability

- 8-oz. & 16-oz. bottles (236 & 473 mL)
- 1 U.S. gallon (3.78 L)
- 5 & 55 U.S. gallon containers (18.9 & 208 L)

#### Directions for Use

- **Engines:** Add 8 oz. (236 mL) to 4-6 quarts of oil in crankcase every oil change. For larger engine oil reserves, add 1.5 oz. (45 mL) per each quart of oil.
- **Automatic transmissions:** Add 8 oz. (236 mL) to transmission fluid. For larger transmissions, i.e. Allison, add 1.5 oz. (45 mL) to each quart of fluid.
- **Standard transmissions:** Add 1 oz. (29 mL) per every pound of gear lube.
- **Power steering / rack assembly units:** Add 1.5 oz. (45 mL) per every quart of fluid.
- **Differentials:** Remove 4 oz. (118 mL) of lube & replace with 4 oz. (118 mL) MT-10® for standard-size vehicles. For larger differentials, i.e. trucks, add 1 oz. (29 mL) per each pound of gear lube.

#### Typical Properties

Appearance .....	Light amber liquid
Odor .....	Slight petroleum
Freezing point .....	-18.6°C (-1.4°F) D-2386
Pour point .....	-30°C (-22°F) D-97
Initial boiling point .....	> 148.9°C (> 300°F) D-1120
Flash point .....	128.6°C (263.4°F) D-93
Vapor pressure .....	< 0.010 PSI D-5191
Specific gravity @ 60°F .....	1.086 D-4052
Density @ 15°C .....	1.0856 g/ml D-4052
API gravity @ 60°F .....	-1.2 D-4052
Lbs per gal (U.S.) .....	~ 9.059
Solubility .....	Insoluble (water)
Viscosity @ 40°C .....	165.26 cSt D-445
Viscosity @ 100°C .....	12.61 cSt D-445
Viscosity Index .....	50 D-2270
Timken Extreme Pressure OK Load .....	60+
Four-ball EP properties, LWI .....	246 D-2783
Four-ball EP, Weld point, Kg .....	> 800 D-2783

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