



## Metal Treatment MT-10®

### Product Data Sheet

### Industrial & Manufacturing 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 & 2-cycle
- Transmissions – automatic & standard
- Differentials
- Gears
- Gear couplings
- Gear reducers
- Bearings
- Pumps
- Electric motors
- Hydraulic systems
- Other lubrication systems requiring extra protection from extreme pressure, friction-related heat & high-wear conditions.

#### Key Features & Benefits

- Polishes, seals & protects metal surfaces of internal, moving metal parts
- Reduces friction-related heat & wear
- Improves equipment performance
- Lowers system operating temperatures
- Increases equipment efficiency
- Reduces energy costs
- Extends equipment life
- Reduces downtime & maintenance
- 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)
- Transportable tank & other bulk containers upon request

#### 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 & differentials: Add 1 oz. (29 mL) per every pound of gear lube.
- Gear boxes: Add 2 oz. (59 mL) per every quart of oil.
- Hydraulics: Add 1 oz. (29 mL) per every quart of oil.

#### 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

