



Metal Treatment MT-10[®]

The “keystone” of the Muscle product line is its anti-friction lubricant additive... MT-10[®] is engineered to treat the metal...not the oil... using tribologic methods that improve metal surface characteristics to increase lubricity and load-carrying capacity

Key Features & Benefits

- Polishes, seals and protects metal surfaces of internal, moving metal parts
- Reduces friction-related heat and wear extending equipment life
- Improves equipment performance and efficiency
- Lowers system operating temperatures
- Reduces energy costs and oil consumption
- Improves fuel economy
- Reduces downtime and maintenance
- Lubrication technology based on tribologic methods that improve lubricity and load-carrying capacity
- Treats the metal – not the oil – by improving metal surface characteristics and creating a stable chemical corrosion-controlled halide boundary film
- Contains no solid lubricants, chlorinated solvents or phosphate compounds
- Will not build up or change tolerances

Typical Applications

- Engines – gasoline and diesel, including 2-cycle
- Transmissions – automatic and 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 and high-wear conditions

Directions for Use

Engines: Add 8 oz. to 4 to 6 quarts of oil in crankcase every oil change. For larger engine oil reserves, add 1.5 oz. per each quart of oil.

Automatic transmissions: Add 8 oz. to transmission fluid. For larger transmissions, i.e. Allison, add 1.5 oz. to each quart of fluid.

Standard transmissions & differentials: Add 1 oz. per every pound of gear lube.

Gear boxes: Add 2 oz. per every quart of oil.

Hydraulics: Add 1 oz. per every quart of oil.

Technical Data

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

The above properties are typical values and do not constitute a product specification.

Container Availability

Item MT-10-8	8-oz. bottle (236 mL)
Item MT-10-16	16-oz. bottle (473 mL)
Item MT-10-128	1 U.S. gallon (3.7 L)
Item MT-10-5G.....	5 U.S. gallon (18.9 L)
MT-10-55G	55 U.S. gallon (208 L)

Transportable tank and other bulk containers are available upon request.

