



METALON M

Anti-Wear Friction Fighter

INFORMATION and ASTM/ENGINEERING DATA

METALON M is a hydrocarbon complex specifically formulated to help reduce friction and wear of ferrous and non-ferrous metals and save energy. Unlike oil additives, **METALON M** unites chemically with the metal component molecules to form a microscopic, monomolecular wear-resistant shield. Blended with most synthetic or petroleum oils, the exclusive **METALON M** formula helps to reduce maintenance costs and increase production and service life of mechanical equipment.

When combined with conventional metal cutting and machining oils, **METALON M** helps to maintain the sharpness of the tool cutting edges, allows deeper cuts per pass, while producing a smoother finish with less energy.

Applied to the lubrication systems of new equipment, **METALON M** substantially reduces the extensive wear and metal removal associated with "break-in" periods; thereby increasing equipment longevity. **METALON M** creates a burnished, precision fit between mating parts, which reduces friction.

One of the significant and unique characteristics of **METALON M** is its chemical bonding capability. **METALON M** will not drain off metal surfaces during idle periods, but rather remains in place to protect the parts during cold starts.

METALON M is applied at a ratio of 5% (min.) or 100 mL for every two litres of lubricant to Crank Cases, Mechanical Gearboxes, Differentials, Transfer Boxes, Sliding Mechanisms, Cutting and Machining Oils, Bearings, Filtered Compressor Sumps, Bushings and much more. (Some applications may require a higher ratio of **METALON M** to realize maximum benefit as dictated by results and experience.)

INSPECTION DATA:

(According to ASTM Specifications)

<u>DESCRIPTION</u>	<u>ASTM</u>	<u>RESULTS</u>
Specific Gravity	D-1298	1.015
Colour	D-1500	1.5
Flash Point °F (°C)	D-992	200 (94)
Cloud Point °F (°C)	D-97	-40 (-40)
Pour Point °F (°C)	D-97	-60 (-51)
Viscosity, SUS @100 °F (40 °C) @210 °F (100 °C)	D-445 D-445	57 (9.50 cSt) 29.0 (1.90 cSt)
Viscosity Index		30.0
Rust Test (Synthetic Sea Water)	D-665	PASS
Corrosion Test, Copper Strip @ 212 °F (100 °C)	D-130	None
Foam Test (1,2,3)	D-892	No Foam
Ash Content (% by weight)	D-482	.6%
Timken OK Load @ 5% concentration	D-2782	>60 lbs.
Falex Final Torque @4500 lb. Jaw Load	D-2271	<60 in.lbs.

NOTE: The information and data presented herein are based on tests, reports and research we believe to be accurate and reliable. The information and data are provided without warranty, guarantee or liability on our part and are therefore, provided to customers for their own investigation, verification and consideration.

Metalon Products

A div. of Professional Products of Canada Inc.

7 - 1110 Heritage Road
Burlington, Ontario L7L 4X9
Phone: 905.332.0333
canada@metalonproducts.com

Servall Supply Ltd.

Authorized Dealer in Metalon Products

12-5622 Burleigh Crescent SE
Calgary, Alberta T2C 2X7
Phone: 403.453.3057
sales@servallsupply.com