

# METALON

... more than greasing

## METALON ® M Extreme Pressure oil

- stops wear almost completely
- protects metal surface during cold start
- provides for smoother metal surface
- reduces friction and heat generation
- reduces the use of energy



### Application

METALON M is specially developed for use in **4-stroke engines** as well as for "oldtimer" engines from 1935 onwards with oil filter systems. *For oldtimer-engines without oil filter systems (before 1935), gearboxes, hydraulic systems and differentials use METALON C2.*



### Miscibility

METALON M is ideal for mixing with mineral and synthetic oils. METALON M is not efficient when mixed with aqueous solutions such as cooling emulsion in metalworking.



### Dosage

Normally, 10 % METALON M of the total content of the engine oil is sufficient to fully protect the engine. In problem cases and during initial application, up to 20 % of the oil content can be added to prevent further damage. For other applications, ask for advice.



### Packages (Number per box)

250 Milliliter (10), 1 Liter (6), 5 Liter (1), 20 Liter (1), Other packages on request.



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### material safety data sheet (msds)

All safety data sheets can be found online on [www.metalon.ch](http://www.metalon.ch) – we will also send you one along with your order.

### REACH registration

The REACH Registration is NOT necessary for any of the METALON ® products. Delivery security within European Community is ensured.

### Languages

The safety data and technical data sheets are available in German, French and English.

## ASTM Specifications

Description	ASTM	Results
<b>Specific density</b>	D-1298	1.015 kg / dm <sup>3</sup>
<b>Color and appearance</b>	D-1500	1.5 amber, clair
<b>Flash point</b> concentrated product Mix of 10%	D-992	94 °C > 180 °C
<b>Pour point</b>	D-97	- 40 °C
<b>Flow limit</b>	D-97	- 51 °C
<b>Viscosity SUS</b> 40°C 100°C	D-445	57.0 / 9.50 mm <sup>2</sup> /s 29.0 / 1.90 mm <sup>2</sup> /s
<b>Viscosity-Index</b>		30.0
<b>Rust test</b> synthetic seawater	D-665	passed
<b>Resistance against rust</b> copper strip / 100 °C	D-130	no corrosion
<b>Foam-Test 1,2,3</b>	D-892	0, 0, 0 passed
<b>Ash content</b>	D-482	0.6 % weight
<b>Property under extreme pressure Timken</b> concentration 5%	D-2782	> 300 N
<b>Falex friction resistance</b> clamp load 23.0 kN	D-2271	> 7.8 Nm

METALON ® was audited by TÜV Rheinland-Pfalz under another name. Due to the proven reduction in wear, the TÜV positively evaluated the test results. The methods used by TÜV are: ASTM D-2782 Timken and ASTM-D2785 VKA.

To your attention: Information and data are based on investigations, reports and research results, from which we believe that they are reliable. They are indicated here without warranty and adhesion on our part and are intended for the user to the own investigation, check and evaluation

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