

# METALON

... more than greasing

## METALON ® C2 Extreme Pressure oil

- Stops wear almost completely
- Protects metal surface during cold start
- Provides for smoother metal surface
- Reduces friction and heat generation
- Prevents blur of tools during metalworking



### Application

METALON C2 was originally designed to use in compressors and other closed systems without oil filtration. Therefore, it is particularly suitable for the protection of **2-stroke and "oldtimer" engines that do not have an oil filter system**. The product is particularly suitable for use in metalworking (cutting, shaping, pressing, etc.). Test results:

- Blended with a gas-oil mixture in two-stroke power saws: **10% more power**, elimination of vapor lock and substantial reduction of vibration.
- In most demanding Hydraulic Systems as Hydraulic Crans, Self-Loaders and Pumping units, the oil **temperature is regularly reduced by 25 °C**.
- In metal industries, **tool life is extended** and the surfaces are smoother



### Miscibility

Metalon C2 is ideal for mixing with commercial cutting and other machining oils. When using specially designed machine oils, ask for advice.

### Dosage

For metal working, apparatuses of precision etc: Depending on the desired effect and the expected extreme load, Metalon C2 is dosed at 10 or 20%. In exceptional cases (precision mechanics, manual machining of stainless steel) Metalon C2 can also be used as concentrated.

For two-stroke engines: replace the half or all of mixture oil by METALON C2.

For 'Oldtimer' engines (before 1935, without oil filtration): put 10 % of the quantity of usual oil after oil change, for first treatment double quantity is recommended to reach fast effect.



### Packages (Number per box)

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	0.969 kg / dm <sup>3</sup>
<b>Color and appearance</b>	D-1500	2.0 caramel, clear
<b>Flash point</b> concentrated product Mix of 10%	D-992	176 °C Not available
<b>Pour point</b>	D-97	- 34 °C
<b>Flow limit</b>	D-97	- 45 °C
<b>Viscosity SUS</b> 40°C	D-445	65.7 / 11.9 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	1A passed
<b>Foam-Test 1,2,3</b>	D-892	0, 0, 0 passed
<b>Ash content</b>	D-482	0.01 % weight
<b>Water content</b>	D-96	0.00 % volume
<b>Timken OK load and VKA</b>	D-2271 D-2785	see TÜV assessment below

METALON ® was audited by TÜV Rheinland-Pfalz under the former name "Metabond". 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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