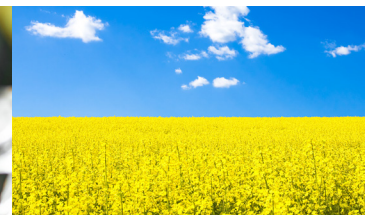
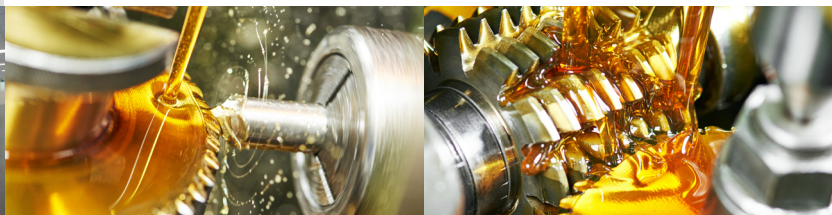




MILPRO® VEG

High Performance vegetable ester based cutting oils
designed with Mother Nature's Approval



MILACRON® PRODUCT LINE APPLICATION SHEET

Description

The Milpro VEG line consists of 4 straight cutting oils based on renewable resources that provide great lubricity outperforming many mineral oil based products. The Milpro VEG oils come from vegetable oils, and because of the unique care taken in formulating, they are long lasting, helping to reduce the impact on the environment.

Milpro VEG for those who share our vision of using renewable resources.

Application

Milpro VEG are suitable for ferrous and non-ferrous metals in a wide range of operations: ranging from grinding, turning, milling to broaching.

MILPRO® VEG10	MILPRO® VEG10EP	MILPRO® VEG22	MILPRO® VEG36	MILPRO® VEG46
(Carbide) grinding	Heavy Duty Machining Operations	General Machining	General Machining	Broaching
Gear grinding	Deep hole drilling	Grinding	Gear manufacturing	Slow speed HD operations
Superfinishing		MQL	MQL	MQL
MQL	MQL			
All materials	No yellow metals	All materials	All materials	No yellow metals

In order to prolong tool life and maintain surface finish it is recommended to regularly filter the Milpro VEG

Productline features and benefits

- Exceptional lubricity, increasing tool life and improving surface quality
- Mineral oil and chlorine free, based on renewable raw materials
- Lower consumption due to reduced drag-out and evaporation
- Low misting properties contribute to a lower consumption and better workplace environment

Solutions for the environment ...

... from the environment



Typical characteristics

	Testmethod	Units	MILPRO® VEG10	MILPRO® VEG10EP	MILPRO® VEG22	MILPRO® VEG36	MILPRO® VEG46
Color	ASTM D1500		<0,5	1	0,5	0,5	3,5
Density 20°C	ASTM D4052	kg/m ³	870	886	903	920	932
Viscosity at 20°C	ASTM D445	mm ² /s	14	24	47	76	100
Viscosity at 40°C	ASTM D445	mm ² /s	9	12	22	36	45
Flashpoint	ASTM D92	°C	200	185	221	254	188
Copper corrosion	ASTM D130	3H/100°C	1A	4A	1A	1B	4B
Yellow Metal compatible		Y/N	Yes	No	Yes	Yes	No
Chlorine content		%	0	0	0	0	0
Zinc containing		Y/N	No	No	No	No	Yes
Anti-mist properties		Y/N	Yes	Yes	Yes	Yes	Yes

Above figures are typical of those obtained with normal production tolerance and do not constitute a specification.

Handling and storage

All packages should be stored under cover. Outside drums should be in a horizontal position. Protect against freezing and temperature above 60° C.

Packaging type

25, 200 and 1.000 litres and bulk.

Safety Data Sheet

The Safety Data Sheet should be consulted for specific information and information on Health, Safety and Environment when handling this product.

