



VCI METALWORKING PRODUCTS

VCI-323 M

PRODUCT DESCRIPTION

VCI-323 M is a vapor corrosion inhibiting oil-based concentrate for use with working engine systems. VCI-323 M provides excellent protection in indoor and outdoor air conditions.

VCI-323 M protects in two unique ways. First, oil-soluble corrosion inhibitors offer a tenacious film which clings to metal surfaces, giving excellent contact corrosion protection. In addition to this film barrier, Cortec VCIs release vapor phase corrosion inhibitors into the air above the oil. These VCIs attach electrochemically to the metal surface for additional corrosion protection.

FEATURES

- Metal-free
- Low viscosity
- Universal corrosion protection to ferrous and non-ferrous metals
- Does not contain hazardous chromates, nitrites or phosphate inhibitors
- High flash point
- Non-toxic and thermally stable, providing long-lasting contact and vapor phase corrosion inhibitors
- Will pass through a filter mesh size of 1 micron
- Can be used in hydraulic applications
- Protects metals in a corrosive gas environment (H₂S)

TYPICAL APPLICATIONS

Working engines:

Add VCI-323 M to oil at a ratio of 1 part VCI-323 M to 10 parts oil for 24 months protection.

Tanks, gearboxes, differentials - stored or shipped dry:

Fog cavity interior with VCI-323 M concentrate using 1 liter per 35 ft³ (1.1 m³) of enclosed space.

TYPICAL PROPERTIES

Appearance	Clear yellow to amber liquid
Corrosion Resistance	Up to 24 months
Coverage	1260-1370 ft ² /gal (31-34 m ² /l)
Film Thickness	0.5-1 mil (12.5-25 microns)
Film Type	Oily
Flash Point	>390°F (>200°C)
Non-volatile Content	92-98%
Odor	Petroleum
Removal Method	Petroleum solvents Cortec® alkaline cleaners
Density	7.4-7.6 lb/gal (0.89-0.91 kg/l)

METALS PROTECTED

- Carbon steel
- Stainless steel
- Galvanized steel
- Aluminum
- Brass
- Copper
- Cadmium
- Magnesium
- Silver
- Zinc

PACKAGING AND STORAGE

VCI-323 M concentrate is available in 5 gallon (19 liter) plastic containers, 55 gallon (208 liter) metal drums, totes and bulk. VCI-323 M should be stored sealed. Shelf life is 24 months in sealed drums.



FOR INDUSTRIAL USE ONLY
KEEP OUT OF REACH OF CHILDREN
KEEP CONTAINER TIGHTLY CLOSED
NOT FOR INTERNAL CONSUMPTION
CONSULT MATERIAL SAFETY DATA SHEET FOR MORE INFORMATION

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