

VCI METALWORKING PRODUCTS

VCI-322 Oil Concentrate

PRODUCT DESCRIPTION

VCI-322 oil-based concentrate adds corrosion protection to lubricating or hydraulic oils. VCI-322 provides excellent protection in indoor or open air conditions. 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, VCI-322 releases vapor phase corrosion inhibitors into the air above the oil. These VCIs attach to metal surfaces for additional corrosion protection.

FEATURES

- Corrosion protection to ferrous and non-ferrous metals
- Does not contain hazardous barium, chromates, nitrites or phosphate inhibitors
- High flash point
- Low in toxicity and thermally stable, providing longlasting contact and vapor phase corrosion inhibitors
- · Passes through a size 5 micron filter
- Can be used in hydraulic applications
- Provides protection in presence of chlorides
- When added at a concentration level of 5-10% to hydraulic fluids, does not affect pour point and viscosity at low temperatures
- · Compatible with most mineral and synthetic oils
- Suitable for both operating and intermittent use conditions

TYPICAL APPLICATION

Lubricating and hydraulic oil systems for intermittent operation:

Add VCI-322 to oil at a ratio of 1 part VCI-322 to 9 parts oil for 24 months protection.

Tanks, gearboxes, differentials - stored or shipped dry: Fog cavity interior with VCI-322 concentrate using 1 quart (1 liter) per 35 ft³ (1.1 m³) of enclosed space.

METALS PROTECTED

- Carbon Steel
- Stainless Steel
- Galvanized Steel
- Aluminum
- Brass

TYPICAL PROPERTIES

Appearance	Dark amber viscous liquid
Corrosion Resistance	Up to 24 months
Coverage	1260-1370 ft²/gal
-	(31-34 m ² /l)
Film Thickness	0.5-1 mil (12.5-25 micro
Film Type	Oily, paraffinic
Flash Point	>212°F (>100°C)
Non-volatile Content	90-99.5%
Removal Method	Petroleum solvents

Copper

• Silver

Zinc

Cadmium

Magnesium

25 microns) C) Petroleum solvents Alkaline cleaners (VCI-410 series) 8.5-10.0 (1% aqueous solution) 7.4-7.6 lb/gal (0.87-0.91 kg/l)

pН Density

PACKAGING AND STORAGE

VCI-322 is packaged in 5 gallon (19 liter) pails, 55 gallon (208 liter) drums, liquid totes and bulk. The product should be sealed before storage. The shelf life of VCI-322 is up to 24 months.



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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