



VpCI®-322 Oil Concentrate



FEATURES

- Corrosion protection for ferrous and non-ferrous metals
- Does not contain hazardous barium, chromates, nitrites, or phosphate inhibitors
- 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 APPLICATIONS

Lubricating and hydraulic oil systems for intermittent operation: Add VpCI®-322 to oil at a ratio of 1 part VpCI®-322 to 9 parts oil for 24 months protection.

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

PRODUCT DESCRIPTION

VpCI®-322 oil-based concentrate adds corrosion protection to lubricating or hydraulic oils. VpCI®-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, VpCI®-322 releases Vapor phase Corrosion Inhibitors (VpCI®) into the air above the oil. These VpCIs attach to metal surfaces for additional corrosion protection.

METALS PROTECTED

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



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TYPICAL PROPERTIES

Oil Characteristics		Typical Values
Appearance		Dark Amber Color
Specific Gravity		0.9
Viscosity (ASTM D92)	40 °C	86 cSt
	100 °C	8.3 cSt
	Index	48
Pour Point (ASTM D6749)		26 °C (-15 °F)
Flash Point (ASTM D92)		186 °C (366 °F)
Fire Point (ASTM D92)		206 °C (402 °F)
Total Acid Number (ASTM D974)	mg KOH/g	26
ISO Particle Count Code		17/15/12
Oil Separability (ASTM D1401) @ 54 °C (129 °F)	Oil, ml	0
	Water, ml	25
	Emulsion, ml	55
	Time, min	60
Foaming Characteristics (ASTM D892)	Seq. I	0/0/0
	Seq. II	60/0/21
	Seq. III	0/0/0

Properties listed above are typical of those obtained through normal production and do not constitute a specification. VpCl®-322 is generally soluble in hydrocarbon based fluids, however compatibility and solubility should be verified prior to use. Please contact Cortec® Technical Service for more information.

PACKAGING AND STORAGE

VpCl®-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 VpCl®-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 SAFETY DATA SHEET FOR MORE INFORMATION

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