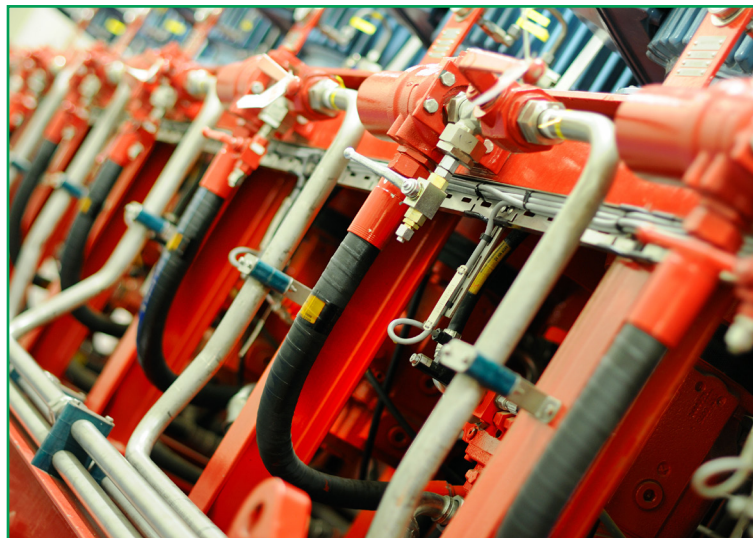




CORROSION INHIBITING ADDITIVES

M-530 Oil Based Corrosion Inhibitor



PRODUCT DESCRIPTION

M-530 is an oil-based package of corrosion inhibitors for hydraulic or lubricating oils. M-530 is a rust preventative product, which provides excellent protection during operating conditions and intermittent operations.

M-530 is very effective for mineral and synthetic oils: naphthenic, iso-paraffinic, PAOs, among others.

FEATURES

- Corrosion protection to ferrous and non-ferrous metals
- Does not contain hazardous barium, chromate, nitrite, or phosphate inhibitors
- Can be used in hydraulic applications
- Provides protection in the presence of chlorides
- Compatible with most mineral and synthetic oils
- Suitable for both operating and intermittent use conditions

TYPICAL APPLICATION

For hydraulic and lubricating oil systems in intermittent operations, add M-530 to oil at a concentration of 2-5% weight.

METALS PROTECTED

- Carbon Steel
- Stainless Steel
- Galvanized Steel
- Aluminum
- Brass
- Copper
- Cadmium
- Magnesium
- Silver
- Zinc
- Solder
- Tin
- Lead
- Bronze

TYPICAL PROPERTIES

Oil Characteristics		Typical Values
Appearance		Amber Color
Specific Gravity		0.91
Viscosity (ASTM D92)	40 °C	169 cSt
	100 °C	12.6 cSt
	Index	48
Pour Point (ASTM D6749)		-24 °C (-11 °F)
Flash Point (ASTM D92)		190 °C (374 °F)
Fire Point (ASTM D92)		198 °C (388 °F)
Total Acid Number (ASTM D974)	mg KOH/g	42.8
ISO Particle Count Code		19/18/14
Oil Separability (ASTM D1401) @ 82 °C (180 °F)	Oil, ml	40
	Water, ml	40
	Emulsion, ml	0
	Time, min	10
Foaming Characteristics (ASTM D892)	Seq. I	180/0/229
	Seq. II	25/0/8
	Seq. III	20/0/16

Properties listed above are typical of those obtained through normal production and do not constitute a specification. M-530 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.



STANDARD TEST METHODS

ASTM D-4172	4-ball wear test
ASTM D-665	Rust Preventing Characteristics
ASTM D-974	Acid/Base Number by Titration
ASTM D-1401	Water separability testing
ASTM D-1748	Humidity testing
ASTM D-2196	Brookfield Viscometer
MIL-PRF-46002	Contact and Volatile Corrosion Inhibited Oil
MIL-PRF-85062	VCI Oil for Transmission and Gearbox

PACKAGING AND STORAGE

M-530 is available in 5 gallon (19 liter) plastic pails, 55 gallon (208 liter) metal drums, liquid totes, and bulk.

M-530 should be sealed before storage. The shelf life 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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