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Attention: Editor

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PRESS RELEASE



Cortec's M-528: Provides Corrosion Protection In Harsh Subsea Environments!

Cortec's M-528/528L are non-hazardous additives that provide excellent corrosion protection in both contact and vapor phase for subsea production control systems or equipment operating in harsh, corrosive conditions. Tightening environmental legislation governing the use and discharge of chemicals into the oceans requires that industries adopt more environmentally responsible lubricant technologies. These additives have been developed to balance health, safety, and environmental legislation needs with performance demands; providing longer equipment life and extended maintenance intervals. These special properties make M-528/528L additive suited for operation in all subsea environments.



This multifunctional product from Cortec® is easily used; just add it to hydraulic fluids or other water based process fluids before starting operations. M-528/528L are applicable for hydraulic fluids used in subsea production control systems, synthetic coolants and cutting fluids, industrial

cooling towers, water based lubricants, aerosol formulation, alkaline metal cleaners, radiator fluid additive, and water based drilling muds. They do not require being re-added once the equipment is under water and will remain stable in aqueous systems at a pH 6 or higher and thermostable at temperatures ranging from -10C° to 70C°.

M-528/528L provides outstanding corrosion protection for steel, copper, brass, aluminum, bronze, galvanized steel, and other ferrous and non-ferrous metals and their alloys. M-528L contains a lubricant for anti-wear of metal parts. M-528/528L is biodegradable and environmentally safe, which is in compliance with HOCNF (Harmonized Offshore Chemical Notification Format) environmental requirements.

The features of this product:

- Soluble in water, glycols and alcohols; dispersible in oils
- Non-phenolic
- Seawater compatible
- Thermostable

TEST RESULTS*

Test Performed		Results
IP287	a. Liquid corrosion test on neat fluid	No Corrosion
	b. with 10% of seawater	No Corrosion
	c. with 2.5% of seawater	No Corrosion
IP125: Vapor phase corrosion test		Pass
10% by volume seawater contamination		Clear Fluid
Stability at	Room temperature	Clear Stable
	70°C	Clear Stable
	-20°C	Clear Stable

*All tests were performed in the the solution

Ethylene Glycol/water=40:50 with added 10% of M-528 or M-528L

Falex Lubricant Testing
Ethylene Glycol/water 40:50 with 10% of M-528L

Load (lb) at (min)	Torque values (lb.in)
100(1)	6.3
200(1)	10.7
300(1)	13.3
400(1)	17.8
500(1)	21.3
500(30)	18.2
Number of tests	6
% Weight loss on pin	0.058%

M-528/528L is packaged in 5-gallon (19liter) pails, 55-gallon (208 liters) drums, liquid totes, and bulk.

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Cortec® Corporation is the global leader in innovative, environmentally responsible VpCI® and MCI® corrosion control technologies for Packaging, Metalworking, Construction, Electronics, Water Treatment, Oil & Gas, and other industries. Our relentless dedication to sustainability, quality, service, and support is unmatched in the industry. Headquartered in St. Paul, Minnesota, Cortec® manufactures over 400 products distributed worldwide. ISO 9001, ISO 14001:2004, & ISO 17025 Certified.

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