



**LUBRICANTS™**

**POWER TO PERFORM™**

## **RUSTOP 285, 286, 287, 387, 388,389**

### **RUSTOP 285, 286, 287**

Premium quality oil film type rust preventives. They are lubricating oils containing soluble corrosion Inhibitors. RUSTOP 285 possesses moderate water displacement characteristics. RUSTOP 286 is oil type nondrying combination lubricant cum rust preventive. Suitable for internal protection of gearboxes, back axles, assemblies, oil and fuel tanks, IC engines etc.

PROPERTIES	TYPICAL VALUES		
	285	286	287
Appearance	Slightly Hazy	Clear	Clear
Flash Point, COC °C, Min	190	190	216
Kin Visc @ 40 °C, cSt	25.3-33.2	167-175	253-272
Saponification Value mg KOH/gm	5.0-7.0	4.4-5	0 4.0-6.0

### **RUSTOP 387, 388**

Greasy film type rust preventives. These products do not contain any solvents but contain rust preventing additives. Application of these rust preventives is by hot dipping. They are soft waxy solids at room temperature. Specially developed for usage in piston assemblies, oil seals, transmissions and timer chains. Also used for rust prevention of items such as milling cutters, plain bearing inserts and highly finished gauges.

### **RUSTOP 389**

This is semi fluid type of rust preventive recommended by certain forging industries for their finished components.

PROPERTIES	TYPICAL VALUES		
	387	388	389
Appearance	-	Light Brown	Yellow to Brown
Flash Point, COC °C, Min	218	-	-
Copper Strip Corrosion, At 3 Hrs, 100°C, ASTM, Max	1	1	-



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### **RUST PREVENTIVE TEST**

There are standardized test used in the metal protection industry to ensure the product delivers the performance characteristics desired by the end user. The key rust preventive tests are listed below that are used to determine a specific product's performance.

<b>Test &amp; Procedure</b>	<b>Purpose</b>
CORROSION and RUST PROTECTION	
Copper (ASTM 0 130) 3 hat 100 °C	Measures fluid's nonferrous compatibility.
Turbine Oil Rust (ASTM 0665) A- In Distilled Water 8-Synthetic Sea Water	Measures the ability of inhibited mineral oils to aid preventing the rusting of ferrous metals in the Presence of water.
Aqueous Cutting Fluid (IP125)	Measures corrosion protection of aqueous cutting fluids
Filter Paper Chip Breakpoint (IP287)	Evaluates rust inhibition properties of aqueous cutting fluids compared to a reference fluid.
Humidity Cabinet Rust (ASTM 01748)	Measures ability of preservative oils to protect metal parts from rusting under conditions of high humidity.
Salt Spray (ASTM 8117)	Steel part corrosion protection measured after exposure to 5% salt spray.
Acid Fume (AQCT-25)	Accelerated testing for indoor storage under acid atmospheric conditions.
Stack Stain Test (MIL-C-2235 A)	Accelerated testing to determine the effect of water contamination, heat and metal to metal contact on coiled or stacked metal surfaces.
Water Displacement (MIL-PRF- 16173E)	Test procedure to show the ability of a corrosion inhibitor compound to displace water from a metal surface.
Nail Climb Test (AQCT-21)	Test to determine the penetrating ability of corrosion inhibitor compounds.
Cleveland Condensing Humidity Cabinet	Measures antirust properties of metal preservative fluids on steel panels. Considered more severe than ASTM D1748 humidity test.