

# Copper Strip Corrosion ASTM D130

## Objective

To evaluate the degree to which a lubricant will corrode copper-containing materials (i.e., bronze ,brass)

## Significance

The test helps to determine the suitability of a lubricant for use in equipment containing copper-based components . It may also be used with silver bearing metals . Cutting fluid used in the machining of non-ferrous materials should be non-corrosive.

## Reported results:

Results may be reported as the comparison to standard chart (i.e. 1a ,2b).

		Class	Designation	Description
1a	1b	1	Slight Tarnish	1a Light orange, almost the same as a freshly polished strip
				1b Dark Orange
2a	2b	2	Moderate Tarnish	2a Claret Red
				2b Lavander
				2c Multi- colored with lavender blue and/or silver overlaid on claret red
				2d Silvery
				2e Brassy or gold
3a	3b	3	Dark Tarnish	3a Magenta overcast on brassy strip
				3b Multicolored with red and green showing (peacock), but no gray
				4a Transparent black, dark gray or brown with peacock green barely showing
4b	4c	4	Corrosion	4b Graphite or lusterless black
				4c Glassy or jet black

  

Prod		
Grav		
Visco		
Flash		
Pour		
Rust		
	D 665B	Pass
Copper Corrosion	D 130	1b