

Copper Corrosion

Testing of corrosiveness to copper of greases is generally determined by the copper strip tarnish test. SKF uses the DIN 51811 method to establish this. The DIN 51811 is technically equivalent to the IP 154 and the ASTM D 130 (which is similar to the ASTM D 4048).

The outcomes of the copper strip tarnish test can be the following

1 Slight tarnish	Light orange Dark orange
2 Moderate tarnish	Claret red Lavender Multi coloured (lavender blue or silver overlaid on claret red) Silvery Brassy or gold
3 Dark tarnish	Magenta overcast on brassy strip Multi coloured (red & green showing, no grey)
4 Corrosion	Transparent black, dark grey or brown Graphite or lustreless black Glossy or jet black

