

## Petroleum and related products - Determination of the corrosion inhibiting properties of heavy duty flammable hydraulic fluids - Part 1: Water containing liquids

Water-containing hydraulic fluids are used in hydraulic systems in which flame-retardant fluids are required due to the conditions prevailing on site. The corrosion-inhibiting properties of these fluids must be evaluated when selecting suitable designs and establishing maintenance guidelines. The procedure described in this part of ISO 4404 is based on CETOP RP 48H1 and the 7th Luxembourg Report.

### Application

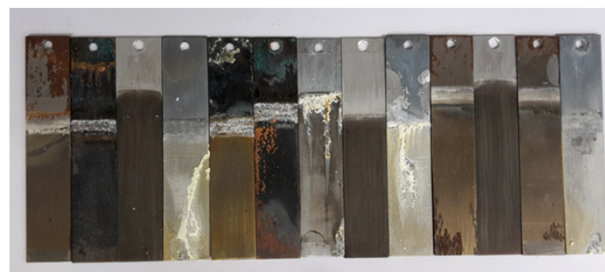
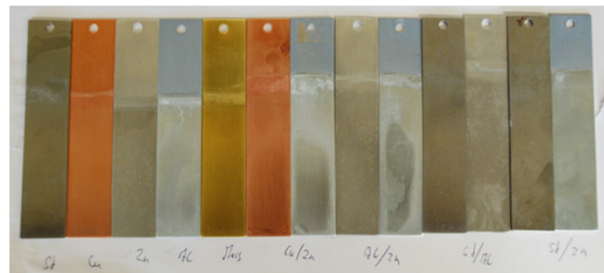
This part of ISO 4404 lays down a method for determining the corrosion resistance of hydraulic fluids of classes HFA, HFB and HFC classified in ISO 6743-4.

The test method enables the qualitative assessment of the corrosion-preventing properties of these fluids in relation to metals used in the construction of hydraulic systems and plant structures.

### Brief description

The test plates of the selected metals are partially immersed in the liquid to be tested at a specified temperature for a specified period of time. At the end of the test period, the mass change of the test plates is recorded and the appearance of both the test plates and the liquid to be tested is compared with the specified classification criteria.

an example: a rather good corrosion-preventing property and a very bad



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