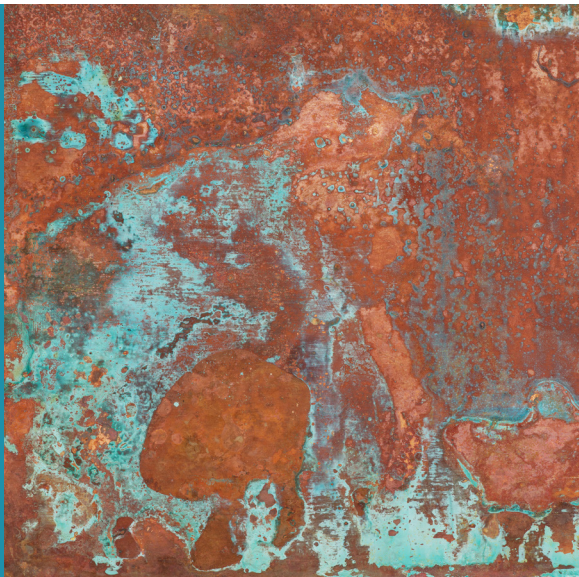


# FUGACITY 2

H<sub>2</sub> corrosion



## The main objective

is to study the influence of H<sub>2</sub>S fugacity on Sulfide Stress Cracking (SSC) resistance of carbon steels, and improve the corresponding qualification procedures

### After completion of Fugacity 1, the program now aims at studying:

- the impact of conditions of material qualification tests on the hydrogen diffusion and cracking
- the representativeness of tests for high pressure conditions carried out at low pressure and for given fugacity
- the effect of fugacity at high H<sub>2</sub>S concentrations and above the bubble point



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