



Fig. 2 Comparison of wear-resistance ratios for five high-carbon steels soaked at -84 °C (-120 °F) and at -190 °C (-310 °F). The study also showed that soaking at temperatures below -84 °C (-120 °F) does not significantly change the hardness of the material. The samples were soaked to ensure that their mass was at -84 °C (-120 °F) and -190 °C (-310 °F). Source: Ref 2

Corrosion resistance to water-saturated hydrogen sulfide gas was determined on conventionally processed and cryogenically treated stainless steel and tool steel samples. The results are shown in Table 2. The decrease in corrosion