

Pipeline Steels for Sour Service

Shabalov, Ivan, author

Deskripsi Lengkap: <https://lib.ui.ac.id/detail?id=9999920521591&lokasi=lokal>

Abstrak

This book summarizes the results of experimental work on the development of technologies for the manufacture of sour service line pipe steels. It presents the latest theories on the mechanisms of cracking and factors affecting fracture resistance in H₂S-containing media of low-alloy pipe steels. The authors propose methods for improving the quality of continuously cast slabs and show the effect of the chemical composition on the microstructure and properties of rolled plates for pipes. Considerable attention is paid to the metallurgical aspects of microstructure formation and its mechanical properties, as well as the enhancement and cracking resistance of sour service sheets under thermomechanical rolling with accelerated cooling. In brief, the book presents a cutting-edge overview of sour service sheet and pipe production.