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CRYOGENIC TREATMENT OF EN SERIES OF TOOL STEELS TO IMPROVE WEAR RESISTANCE

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ABSTRACT

Tools for gears, crank shafts, rollers, crane shafts etc which require low tensile strength (En Series of tool steels) were subjected to cryogenic treatment. Each type of the above tool was studied in detail about its performance versus the hardened and tempered tools.

KEYWORDS: Cryogenic Treatment, Cold Treatment, Heat Treatment, Wear Resistance, Martensite