

A Machine Learning Approach for the Leakage Classification in the Hydraulic Final Test

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Abstract : The widespread use of machine learning applications in production is significantly accelerated by improved computing power and increasing data availability. Predictive quality enables the assurance of product quality by using machine learning models as a basis for decisions on test results. The use of real Bosch production data based on geometric gauge blocks from machining, mating data from assembly and hydraulic measurement data from final testing of directional valves is a promising approach to classifying the quality characteristics of workpieces.

Keywords : machine learning, classification, predictive quality, hydraulics, supervised learning

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