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A Deep Learning Approach for the Predictive Quality of Directional Valves in the Hydraulic Final Test

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Abstract : The increasing use of deep learning applications in production is becoming a competitive advantage. Predictive quality enables the assurance of product quality by using data-driven forecasts via machine learning models as a basis for decisions on test results. The use of real Bosch production data along the value chain of hydraulic valves is a promising approach to classifying the leakage of directional valves.

Keywords : artificial neural networks, classification, hydraulics, predictive quality, deep learning
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