

CLUTCH WEAR DIAGNOSIS USING FUZZY TECHNIQUES

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Abstract: The paper presents a method used to determine the clutch wear degree using fuzzy techniques for diagnosis. The method can estimate the distance that can be travel with current clutch knowing: the clutch lifetime period (maximum distance that the vehicle can travel with current clutch), the current number of adjustment and the clutch pedal clearance. Clutch pedal clearance is the control input for the decisional system while the effective stroke is its output. Decisional system was made for vehicle services activities, and is suitable for a large number of vehicles.

Key words: fuzzy techniques, clutch, decisional system, diagnosis.