

Vehicle Breakdown Report

Date: 2025-12-05T15:25:05.565337

Prediction: Breakdown

Probability: 0.58

Inputs:

- Vehicle_Type: Motorcycle
- Manufacturer: Royal
- Model_Year: 2023
- Mileage_km: 255529.5
- Engine_Hours: 5900.5
- Fuel_Type: Diesel
- Average_Load_%: 20
- Driving_Conditions: City
- Horsepower: 311.0
- Transmission_Type: Semi-Auto
- Service_History_Score: 5.0
- Previous_Breakdowns: 2.0
- Tire_Condition: Average
- Battery_Health: Critical
- Oil_Level: Normal
- Coolant_Level: Normal
- Brake_Pad_Wear_%: 20
- Suspension_Condition: Average
- Fuel_Efficiency_kmpl: 13.9
- Insurance_Status: Active
- Weather_Exposure: Medium
- Region: Urban
- Average_Speed_kmph: 68.0
- Idle_Time_%: 20

Top feature insights:

- cat_Oil_Level_Low: SHAP influence 0.0418
- num_Model_Year: SHAP influence 0.0332
- cat_Oil_Level_Normal: SHAP influence 0.0328