

# 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