Crash Detection Report

Structured Report: Crash Detection Analysis

Crash Likelihood: **Low**

The provided OBD data does not indicate any significant anomalies or patterns that suggest an imminent crash. The vehicle's parameters, such as speed, acceleration, and engine performance, appear to be within normal operating ranges. However, the data shows a gradual increase in speed and acceleration, which could lead to risky driving behavior if not monitored.

Detected Anomalies

- 1. Negative Instante Fueluce his physically impossible. This could indicate a sensor malfunction or data corruption.
- 2. **High Welhicle Acceleration**(g)" values increase steadily from `0.2g` to `5.6g`. While not extreme, sustained high acceleration could indicate aggressive driving behavior.
- 3. Increasing Engineare Mrom `2500 rpm` to `29500 rpm`, which is unusually high for most vehicles. This could indicate either a data error or an engine operating at its maximum capacity, which is not sustainable.
- 4.-**Trirettle**: Respition in at 100% in at 100% throughout the dataset, which is unusual for normal driving conditions and could indicate aggressive driving or a malfunctioning throttle sensor.

Possible Causes

- 1 Semsonti Walflumstimmion values and unusually high RPMs suggest potential sensor or data transmission issues.
- 2.-Adgressizie Drivigtga Behavior in throttle position at 100%, and increasing speed could indicate aggressive or reckless driving.
- 3.-Data Consumption: hysically impossible values (e.g., negative fuel consumption, extremely high RPMs) suggests potential data corruption or transmission errors.

Recommendations

- 1 **Thepetot** (Sepsons pand OBD) havisten it ion sensor, and RPM sensor for malfunctions or calibration issues. Ensure the OBD system is functioning correctly.
- 2. **Midnit o** a **Drive ing: Beltava o** driving behavior, advise the driver to avoid aggressive acceleration and maintain safe speeds.
- 3.-Verify Data Integrityce of the data to rule out corruption or transmission errors. Ensure the

OBD system is properly connected and transmitting accurate data.

- 4. Crantiburct Weblicia Diagnosticsk on the vehicle to identify any underlying mechanical or electrical issues that could explain the anomalies.
- 5.-**Drivegr Esaiving** riving is confirmed, consider providing the driver with training on safe driving practices to reduce the risk of accidents.

This analysis suggests no immediate crash risk, but the anomalies and trends warrant further investigation to ensure vehicle safety and data accuracy.