We provide Complete range of testing solutions for Heavy vehicles Testing including Trucks, Trailer, Tippers, Dumpers and other Earth moving and off Road vehicles, that could lead to high performance of vehicles and reduce the mean time between failure of machine and avoid loss of time and money, beyond certainly reducing the chances of accidents.

SERVICES OFFERED

Static Testing & Dynamic Testing
○ Vehicle Chassis Analysis
○ Load Test
○ Residual Stress Analysis
○ Stress Analysis
○ Fatigue Analysis
○ Ring Collapse Test
○ Displacement & Deformation Analysis
○ Tightening Stress measurement
○ Vehicle on board Measurements
○ MATLAB Analysis

We welcome your Custom Test Requirements & more....

Our comprehensive services can also include supply of Sensors, adhesives, required tool kits for the job and data monitoring.

AREA OF APPLICATION

But not limited to....

○ Behaviour Modelling of Parts
○ Mean time between Failure/Breakdown
○ Residual Stress Study
○ Life Cycle Prediction
○ Crash Testing Analysis
○ Endurance Testing
○ Understanding Vehicle Dynamics

COMPANY

Record Tech Electronics is a 40 plus years old engineering company which has dedicated decades serving numerous client across Indian sub continent for various applications in automotive, Geo-technical, HVAC, Industrial and power/Energy sector. From Turn key projects to single channel data monitoring we service all and every customer(s).

INSTRUMENTATION

£ Strain Gauges, KIT’s, Adhesives, Coating Material & Accessories.
£ Calibrated Bolt Gauges.
£ Vehicle On board Measuring Systems.
£ Crack Gauges.
£ High Temperature Gauges.
£ Displacement Transducers.
£ Load Cells & Mounting Accessories.
£ Data Loggers & Readouts.
£ Pressure Transducers.
£ Temperature Transducers.
£ Wheel Torque Transducers.
£ Brake Pedal Transducers.
£ Steering Torque Transducers.
£ Power Window Force

6-component wheel measurement system
Force Analyser
Custom Build Equipments.
more....

INTRODUCTION

Testing is one of the very important phase of any development which not only yields the correctness of design but also emulates the data describing the performance of the designed machine or equipment. We provide complete solution for testing to provide complete characteristics of Vehicles dynamics such as load handling capacity to Torque or Braking load, etc. In short test to prove reliability, dependability and endurance of tested Vehicle. The tests usually yields damage levels, fatigue caused, and predicative data describing the characteristics of the material of machine in-order to tweak and turn the design parameters accordingly to handle that particular load and dynamic properties.
ADVANTAGES
Static Testing & Dynamic Testing
- Life Cycle Prediction
- Opportunity to modify design
- Less after market hassles
- Design Validation & Verification
- Insight Knowledge of the Vehicle

RANGE OF ANALYSIS
FFT Analysis
Power Spectral Density
Rainflow Counting
Campbell Diagram
Stress Concentration

CALL US NOW
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