

# HITACHI

Reliable Solutions

## HCMA Limited Warranty

Isuzu, Hino, Kubota, Yanmar Engines for ZW-6 Series  
Loaders & ZX-6 Excavators

### BASE ENGINE WARRANTY:

The base engine is warranted against defects in material or workmanship for 4 years or 4,000 hours; whichever occurs first. Warrantable repairs will be made by an authorized HCMA wheel loader dealer without cost to the user for parts or labor. Parts and labor will be supplied using regular business hours and regular freight methods. Premiums for overtime or freight charges will be borne by the user.

Failures due to misuse, improper maintenance, abuse, acts of nature, or neglect are not covered. Normal maintenance expenses are not covered.

Proper maintenance according to the machine's Operation & Maintenance Manual must be performed.

### EMISSIONS RELATED SYSTEM DEFECT WARRANTY:

Specific emissions related components are covered against defects in material or workmanship for an additional 5 years or 3,000 hours which ever occurs first according to the US EPA and California Air Resources Board (CARB) regulations. The defective part will be repaired or replaced without cost for parts or labor and is warranted for the remainder of the warranty period.

The emission related repairs may be performed by an authorized HCMA wheel loader dealer or other authorized engine distributor or dealer. The failed parts must be retained for analysis and reimbursement. If you have any questions about the coverage contact us via email at [warranty@hitachicm.us](mailto:warranty@hitachicm.us)

### OWNER'S WARRANTY RESPONSIBILITIES:

- As the engine owner or user you are responsible to perform the required maintenance as listed in the machine's Operation & Maintenance Manual. HCMA recommends you keep maintenance records. HCMA cannot deny warranty solely for the lack of records or your failure to perform all scheduled maintenance.
- As the owner or user of this engine, you should be aware that warranty may be denied if the part or component failed due to abuse, neglect, improper maintenance, or unapproved modifications.
- Your engine has been designed to operate on Ultra-Low Sulfur Diesel (ULSD) fuel and CJ-4 engine oil. Use of any other fuel or engine oil may result in your engine no longer operating in compliance with applicable emissions requirements and/or failures of emissions systems.
- HCMA will not be responsible for any such noncompliance or failures

- You are responsible to initiate the warranty process. You must contact the authorized HCMA wheel loader dealer or authorized engine dealer as soon as a problem exists. The warranty repairs should be completed by the dealer as expeditiously as possible.
- HCMA cannot be held responsible for any dealer delays in performing repairs under this Limited Warranty.
- Premium freight, overtime labor, or weekend/holiday premiums will be paid by customer if this additional service is requested.

### HCMA CORPORATION'S RESPONSIBILITIES:

During the emission warranty period, if a defect in material or workmanship of a warranted part or component listed below is found, HCMA will provide the new or repaired parts or components to correct the defect.

The removed part or component becomes the property of HCMA.

HCMA will cover the labor, during normal working hours, through an authorized dealer to make the repair. This will include reasonable diagnostic time.

### The specific emission warranty related parts and components are:

- **Fuel Metering System**
  - Fuel Injection System
- **Air Induction System**
  - Intake Manifold
  - Charge Air Cooling System
  - Turbocharger System
  - Throttle Plate
- **Exhaust Manifold**
  - Exhaust Gas Recirculation Valve
  - Exhaust Gas Recirculation Cooler
- **Electronic Control System**
- **Engine Speed/Crank Angle Sensor**
- **Miscellaneous hoses, clamps, connectors, and sealing devices used in the above systems**
- **Positive Crankcase Ventilation System**
- **Diesel Particulate Filter and Diesel Oxidation Catalyst**
- **Associated sensors, switches, and wiring harnesses**
- **Emission Control Information Labels**