

EMISSION CONTROL WARRANTY STATEMENT FOR ZPP ENGINES

YOUR WARRANTY RIGHTS AND OBLIGATIONS

Zenith Power Products LLC (ZPP) is pleased to explain the **emission control system warranty** on your **2024 model year emission certified ZPP** engine. This emissions warranty statement applies to all of ZPP's certified engines.

New off-road Large Spark-Ignition (LSI) engines must be designed, built and equipped to meet Federal stringent anti-smog standards. ZPP must warrant the emission control system on your engine for the periods of time listed below provided there has been no abuse, or improper maintenance of your engine.

Your emission control system may include parts such as the carburetor, regulator or fuel injection system, ignition system, engine computer unit (ECM), catalytic converter and air induction system. Also included may be sensors and other emission-related assemblies. See below the complete Emissions Warranty Parts List.

Where a warrantable condition exists, ZPP will repair your LSI engine at no cost to you including diagnosis, parts and labor.

MANUFACTURER'S WARRANTY COVERAGE

The warranty period begins on the date the engine or equipment is placed into service. Operating hours will be determined by the Engine Control Module's (ECM's) internal hour meter. If any emission-related part on your engine is defective, the part will be repaired or replaced by ZPP.

Base Warranty Period

<i>Rating</i>	<i>Months</i>	<i>Hours</i>
Stationary and Constant Speed Mobile	12	2500
Variable Speed Mobile	24	2000
Emergency Standby	24	400

- ***Stationary or Constant Speed Mobile-*** Means compressor applications, irrigation applications, or generator sets operating at a constant fixed speed.
- ***Variable Speed Mobile Applications-*** Means foot-pedal controlled equipment such as ground support vehicles.
- ***Emergency Standby-*** Means engines operated to provide electrical or mechanical work (such as electrical power or pumping water) during an emergency situation and not exceeding 100 hours per calendar year non-emergency service per, EPA **40 CFR 60.4248**.

Standard Emissions-Related Components

3 (three) years or 2,500 hours, whichever comes first, for standard emissions-related components. See "Standard Emissions Parts" list.

High-Cost Emissions-Related Components:

5 (five) years or 3,500 hours, whichever occurs first, for "high-cost" components. See "High-Cost Emissions Parts" list.

EMISSION CONTROL WARRANTY STATEMENT (continued)

OWNER'S WARRANTY RESPONSIBILITIES:

- a) As the off-road LSI engine owner, you are responsible for the performance of the required maintenance listed in your Owner's Manual. ZPP recommends that you retain all receipts covering maintenance of your off-road engine, but ZPP cannot deny warranty solely for the lack of receipts or for failure to ensure the performance of all scheduled maintenance.
- b) As the off-road LSI engine owner, you should however be aware that ZPP may deny your warranty coverage if your off-road engine or a part has failed due to abuse, accidents, misuse, improper service or maintenance, wrong or contaminated fuel, use of any starting aid, or unapproved modifications to the emissions control system.
- c) Your engine is designed to operate on unleaded gasoline, LPG or pipeline-quality natural gas only. Use of other fuels may result in your engine package no longer operating in compliance with EPA and CARB emissions requirements.
- d) You are responsible for initiating the warranty process. EPA and CARB suggest that you present your off-road LSI engine to ZPP or a ZPP-authorized agent as soon as any problem exists. The warranty repairs should be completed by ZPP or a ZPP-authorized agent as expeditiously as possible.

If you have any questions regarding your warranty rights or responsibilities, contact Zenith Power Products LLC at 715-453-9317 or at www.ZenithPP.com.

ZPP's warranty on emissions-related parts is specified as follows:

- 1) Any part that is not scheduled for replacement as required maintenance in the Owner's Manual shall be warranted for the entire Emissions Control System (Emissions) Warranty Period. If any emissions-related part fails during the Emissions Warranty Period, it will be replaced by ZPP per subsection 4) below. Any emissions-related part repaired or replaced under the Emissions Warranty will be covered for the remainder of the Emissions Warranty Period.
- 2) Any warranted part that is scheduled only for inspection in the Owner's Manual during the Emissions Warranty Period is covered for the entire Emissions Warranty Period. Any inspected part that is repaired or replaced under this Emissions Warranty is covered until the end of the Emissions Warranty Period.
- 3) Any warranted part that is scheduled for replacement in the Owner's Manual is covered until the first replacement point for that part. If the emissions-related part fails prior to the first replacement point, it will be repaired or replaced per subsection 4) below. The repaired or replaced part will continue to be covered until the first replacement point.
- 4) Repair or replacement of any emissions-related part under this Emissions Warranty will be performed at a ZPP authorized service center at ZPP's expense.
- 5) The owner shall not make any modifications to the engine without ZPP's written consent. Unapproved changes shall void this Emissions Warranty and be sufficient basis for denying an Emissions Warranty claim.
- 6) Failure of unauthorized replacement parts shall not be covered by this Emissions Warranty.
- 7) Failure of authorized emission-related parts due to the use of unauthorized replacement parts shall not be covered by this Emissions Warranty.
- 8) Damage to or failure of emission-related parts caused by fire, flood, acts of God, or other accidents beyond ZPP's control shall not be covered by this Emissions Warranty.

EMISSION CONTROL WARRANTY STATEMENT (continued)

Standard Emissions Parts List Covered under the 2500 hour/3-year Warranty

(1) Fuel Metering System

- Gasoline fuel injection system (NA416G)
- Gasoline fuel pump (NA416G)
- Gasoline fuel pressure manifold assembly (NA416G)
- Mixer
- Electronic Pressure Regulator (DEPR) (NA416G)
- Final-stage NG & vapor LPG fuel pressure regulator (NA665, NA690, TA690)
- Final-stage liquid LPG pressure regulator/vaporizer (TA6120)
- Fuel valve (NA665)

(2) Air Induction System

- Intake manifold
- Electronic throttle (All except TA6120)
- Exhaust manifold

(3) Crankcase Ventilation Systems

- Oil/Mist Separator (NA665, NA690, TA690, TA6120)
- PCV Valve (NA416G)

(4) Ignition Control System

- Ignition coil or coil-pack
- Ignition wires
- Spark plugs (up to first Replace interval at 1500 hours)

(5) Miscellaneous Emissions Control System Components

- CAM sensor
- CRANK sensor
- Engine Control Module (ECM)
- Pre-cat and post-cat oxygen sensors
- Knock sensor(s) (NA416G, TA690, and TA6120)
- TMAP sensor

(6) Exhaust Gas Recirculation System (TA6120 only)

- EGR cooler
- EGR pressure regulator
- EGR 3-way solenoid valve
- EGR flow control valve

High-Cost Emissions Parts List Covered under the 3500 hour/5-year Warranty

- CAC/radiator package
- Catalytic converter
- Cat-muffler (NA416G only)
- Electronic throttle (TA6120only)
- LPG vapor fuel pressure regulator (TA6120 only)
- NG fuel pressure regulator (TA6120 only)
- Fuel valve (all except NA416G & NA665)
- Turbocharger