



ADyI

ADVANCED DYNAMO INDUSTRIES, INC.

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ADVANCED DYNAMO 500 SERIES GENERATOR MAINTENANCE GUIDE

- You **MUST** register your warranty with Advanced Dynamo within 30 days of receipt to receive updates and service bulletins
- Check oil and coolant levels every week. Test fans with fan test switch.
- **Seat and secure dip stick: 2 ½ full turns to secure. Failure to secure dip stick could lead to loss of oil and genset shut-down!**
- Monitor the hour meter, change oil and filter based on maintenance schedule below:
 - **Change oil after initial break-in period of 50 hours.** Do not exceed 50 hours for break-in oil change
 - Thereafter change oil every 400 hours per schedule (see Oil Change Requirements Bulletin).
- The start/stop switch activates a latching relay. The 12VDC main genset switch (Green light) must be **UP** to start/stop, remote & diagnostic functions. **CENTER** for off, **DOWN** for start/stop in no-power stand-by mode.
- Kubota engine speed is 1800 RPM for 60 Hz models (1500 RPM for 50 Hz models).
- Maximum ambient (outside) temperature;
 - Standard model: 130°F / 54.4 °C.
 - Oil cooler equipped model: 135°F / 57.2 °C.
- Nominal engine operating temperature: 180-200°F / 82-93 °C.
- Nominal oil pressure: 50 PSI. Volts: 12.6

⚠ ! Caution ! : Cooling Fans may start automatically! ⚠

SCHEDULE OF MAINTENANCE

- Change oil every 400 hours (see Oil Change Requirements Bulletin).
- Clean air filter every 1,000 hours.
- Replace air filter every 2,000 hours.
- Change antifreeze coolant every 12 months with 50/50 antifreeze.
- Replace platinum spark plugs every 5,000 hours.
- Replace timing and water pump belts/hoses at 5,000 hours.
- Verify Catalytic Converter functionality, replace if required & register SN# with Advanced Dynamo (US EPA requirement) at 5,000 hours.
- Overhaul at 10,000 hours (equivalent to 600,000 freeway miles), or exchange for rebuilt generator with ADyI.

REPLACEMENT PARTS

- Full synthetic oil 10w-30 Mobil One Extended Duty, or equivalent (5 quart with filter change).
 - 5/30 for cold weather, AMSOIL 20/50 ARO for hot weather
- Oil filter: NAPA #1515, FRAM #AUTHM8A, or equivalent
- Air filter element: Donaldson # P822-686 or NAPA #6449
- Platinum spark plugs: AutoLite APP-3924 or NGK BKR5EGP (7090)
- Water pump/alternator belt: NAPA # 25-040405 or Zenith # 4PK845
- Timing Belt: NAPA #250282 or Hyundai / Zenith # 24312 26001
- Radiator Hoses: upper hose NAPA # 8978; lower hose: NAPA # 9158
- Cooling Fans: SPAL # 30102044
- Starter: NAPA Part #244-6860 or Zenith Part #201367
- DC Alternator: NAPA # 213-95-16