



# ADyI

ADVANCED DYNAMO INDUSTRIES, INC.

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## ADI 415D / 420D SERIES 2016 EPA/CARB DIESEL GENSET (KUBOTA ENGINE ONLY)

15 KW 60/60 Amp OR 20 KW 83/83 Amp

- Register your warranty with Advanced Dynamo to receive updates and service bulletins
- Check oil and coolant levels every week. Test both fans with test switch.
- **Seat and secure dip stick. 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:**
- Thereafter change oil every 300 hours with full synthetic oil, Mobil 1 Extended Duty 15/40, or equivalent.
- 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.
- Tachometer speed is 1800 RPM for 60 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 to 13.0

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

### SCHEDULE OF MAINTENANCE

- Change oil every 300 hours with full synthetic oil, **Mobil 1 Extended Duty** 15/40 weight, or equivalent.
- Clean air filter every 1,200 hours.
- Replace air filter every 2,400 hours.
- Change antifreeze coolant every 12 months with 50/50 antifreeze.
- Replace fuel filter every 600 hours (NAPA # 3393).
- Replace timing and water pump belts/hoses at 5,000 hours.
- Overhaul at 10,000 hours (equivalent to 600,000 freeway miles), or exchange with ADyI.

### REPLACEMENT PARTS

- Use full synthetic oil 15/40 Mobil 1 Extended Duty, or equivalent (5 quart with filter change). 10/30 for cold weather, **AMSOIL 20/50 ARO** for hot weather.
- Oil filter: NAPA #1515, FRAM #AUTHM8A, or equivalent.
- Air filter element (15 kw): Donaldson # P822-686 or NAPA # 6449.
- Air filter element (20 kw): NAPA # 6270.
- Replacement cooling fans: SPAL # 30102044.
- Rebuilt Starter: DENSO # 17381-63015
- DC Alternator: DENSO # 34070-75602