



Viking Diesel and Electrics can tailor a maintenance package to suit any requirements.

MAIN AREAS OF MAINTENANCE COVERED INCLUDE:

Minor Services (monthly or quarterly):

- Check oil and coolant levels
- Drain water and sediment from fuel tanks and fuel filters
- Check fuel filter cartridges
- Check air cleaner
- Check restricted indicator
- Check jacket water heater and alternator heater operational
- Check battery charger unit function
- Check water level in radiator
- Check and record fuel levels in day and bulk tanks
- Check and record hours run
- Check and record battery voltages
- Check alarm window and indicating lamps
- Inspect generator and look for fuel, oil and water leaks
- Tighten any loose nuts and retention belts as required
- Check operation of all fans and pumps
- Check and record unloaded voltage and frequency
- Run generator on no load, building load or resistive load subject to client specific requirements

Major Service (usually annually):

- As per monthly testing and in addition;
- Inspect all hoses
- Check cold start and thermal aids
- Check electrical connections and batteries
- Clean engine
- Tighten mounting bolts
- Check crankshaft end clearances
- Change oil filters
- Change fuel filters
- Change engine oil (subject to manufacturers requirements)
- Check coolant concentration levels or change coolant (subject to manufacturers requirements)
- Check/clean crankcase breather
- Check all relays and contactors for heat damage
- Inspect all wiring and instrument
- Run generator in manual, check function of engine and ACB push buttons (if applicable)
- Check function of all emergency stop push buttons
- Check governor and AVR transient response (if applicable)
- Manually operate all CBs to free mechanisms
- Check oil and water systems for leaks
- Check jacket water temperature
- Check cooling water inlet and outlet temperatures
- Check lube oil pressure
- Check fuel oil pressure
- Building Load Test or Resistive Load test using Viking resistive load banks subject to client specific requirements