

## **MAJOR & MINOR SERVICES: WHAT'S INVOLVED...**

### **Minor Service**

- Health & Safety, carry out required risk assessments and method statements
- Complete and submit all relevant permits to work (requested 48hrs prior to attendance)
- Ensure that the area is clean and tidy sufficient to provide a safe work environment
- Inform control of our intention to run generators and perform shutdowns
- Collect fuel sample for laboratory analysis (optional extra)
- Check coolant level and visually inspect radiator, coolant hoses and pipework for leaks
- Test antifreeze mixture using refractometer or hydrometer. Top up if required (max 20ltrs).
- Check water heaters are working correctly
- Check Alternator VS OEM service Schedule
- Check battery charger is on and charging batteries
- Check battery levels and specific gravity of battery cells (excluded on sealed batteries)
- Check condition of air filters
- Check plant room ventilation/ attenuation operation
- Inspect all brackets, supports and fittings
- De-isolate if applicable and switch generator to manual run position and run generator off load, check if any leaks
- Check control panel warning lamps, identify any error messages or system alerts
- Record engine readings, voltage, frequency, oil pressure, temperature and charge current
- Check operation of Emergency Stop
- Check operation of oil pressure shutdown and high-water temperature shutdown by changing switch status (if required)
- Perform three fail to start tests on engine
- Switch off engine and return plant control switch to auto
- Ensure generator area is left clean and tidy
- Complete and submit a service report accompanied by recommendations of remedial actions as required
- Sign off permits and paperwork (if requested)

### **Major Service**

A Major service includes everything in a Minor Service, PLUS the following:

- Collect oil sample for laboratory analysis
- Replace Fuel Filters with new
- Drain Oil into suitable waste containers
- Replace Oil Filters with new
- Refill Engine with Clean Oil
- Complete Waste Consignment note for EA