

## **MECHANICAL**

1. a. Change lubricant oil
  - 1.b. Check oil Level
2. Change oil filters
3. a. Change oil filters
  - 3.b. Drain sediment trap
4. Inspect air filters, change/clean if necessary, according to type, change disposable element every 24 months
5. Check coolant and replenish with 50% antifreeze / 50% clean water solution if necessary
6. Replace coolant filters
7. Check condition/tension of all belts and guards adjust if necessary. (Adjust or change every 24 months if necessary)
8. Check all hoses and change if necessary
9. Visually check engine/alternator coupling
10. Check radiator matrix and remove debris (report if steam cleaning is required)
11. Check all mechanical gauges for operation
12. Check, clean and lubricate all linkages as required
13. Check fire valve visually
14. Visually check fuel transfer pump, float switches etc. where possible
15. Visually check fuel supply lines
16. Check governor lubricant and operation, drain and refill where applicable
17. Visually check breather/crankcase for excessive blow by gas
18. Check cooling air flow path visually
19. Check turbochargers for leaks
20. Check condition of exhaust system, drain any fluid where possible
21. Check all anti-vibration mountings
22. Check holding down bolts

## **ELECTRICAL DC**

1. Check battery condition terminals and leads for security/corrosion
2. Check starter motor operation
3. Check battery-charging alternator for output
4. Check type and operation of static battery charger
5. Check emergency stop operation
6. Check all meters, indicators switches etc.
7. Check condition of wiring loom
8. Ensure inlet and outlet louvres are operating (where fitted)

## **ELECTRICAL AC**

1. Visually check changeover switch/contractors
2. Check all meters, switches, indicators etc.
3. Visually check panel connections, insulation etc.
4. Visually check bypass switch if fitted
5. Visually inspect circuit breakers, trips, isolation etc.
6. Visually check synchronising equipment integrity, 'check synch' relays, reverse power relays etc.
7. Visually check all relays
8. Clean out all panels, terminal boxes etc.
9. Check panel or canopy heater operation
10. Adjust voltage and frequency if required

## **SAFETY**

1. Check that the machine is properly guarded around all moving parts
2. Check that there are proper notice warnings that the set can start automatically
3. Check for oil, fuel etc. on the floor in proximity of the set
4. Visually check that panels, terminal boxes etc. are properly secured
5. Check that the area is uncluttered