



# Basic Diesel Generator Maintenance Checklist

Carl O'sheen Manufacturing Inc. / 14 Feb 2023 /  
John Art

Complete

Score	78.95%	Flagged items	4
Client / Site	Carl O'sheen Manufacturing Inc.		
Conducted on (Date and Time)	14.02.2023 07:30 PST		
Job Number	G-12456		
Generator Reference Number	GEN-1489		
Full Name of Operator/Engineer	John Art		
Address	39-41 high streets peterport, Moffat GY1 2JT, UK		

**Flagged items**

4 flagged

Audit / Visual Inspection

**Fuel filter or sediment bowl**

Needs Action

Needs replacement



Photo 1

Audit / Visual Inspection

**Coolant level and anti-freeze mixture**

Needs Action

Coolant is below its normal level.

Audit / Operating Inspection

**Operation of cooling thermostat or louvers**

Needs Action

Needs further investigation, it's not functioning well

Audit / Other Services

**Inspect of cooling system for leaks (pressure test), residue and operation. Check engine block heater.**

Needs Action

Low air pressure

**Audit**

4 flagged, 78.95%

**Visual Inspection**

2 flagged, 75%

**Overall condition/appearance of equipment (controls, leaks, loose wires)**

OK

**Fan belt tension and condition**

OK

**Fuel filter or sediment bowl**

Needs Action

Needs replacement



Photo 1

**Lubricating oil level and viscosity**

OK

**Coolant level and anti-freeze mixture**

Needs Action

Coolant is below its normal level.

**Air filter**

OK

**Battery electrolyte level and specific gravity and load test**

OK

**Battery charging rate (trickle charger).**

OK

**Operating Inspection**

1 flagged, 75%

**Day tank pump and level switches if so equipped**

OK

**Operation of cooling thermostat or louvers**

Needs Action

Needs further investigation, it's not functioning well

**Battery charging**

OK

**Alternator and regulator**

OK

**Other Services**

1 flagged, 85.71%

**Inspect of cooling system for leaks (pressure test), residue and operation. Check engine block heater.**

Needs Action

Low air pressure

<b>Inspect and clean generator brush holders and brushes</b>	OK
<b>Clean and inspect exciter</b>	OK
<b>Inspect safety shutdown devices. This includes simulated faults on low oil pressure cut-off, high water temperature cut-off, over speed cut-off and failed start.</b>	OK
<b>Inspect and clean engine/generator set control</b>	OK
<b>Run generator set (under load) to check voltage, check frequency, check instrument system and make adjustments.</b>	OK
<b>Clean and tighten electrical connections, clean crankcase breather, check and tighten mounting bolts and wipe unit clean</b>	OK

## Completion

### Recommendations and Overall Condition Assessment

Physical condition is good but there is a need to further investigate the cooling system. Air pressure is too low.

### Engineer/Operator Full Name and Signature



John Art  
14.02.2023 07:38 PST

## Appendix



Photo 1