



360 Sovereign Road,  
London, Ontario  
N6M 1A8

Ph 519.659.7118  
Fx 519.659.7301  
Em info@gencare.com

# GENERATOR MAINTENANCE/TEST INSPECTION REPORT

**No 33763**

**Location:** H0010-M25-02 - Exeter Fire Hall, 55 William St., Exeter  
TNT, .. 20.0KW, 240V

**Generator:**

| HOUR<br>METER | HZ   | VOLTS |     |     | AMPS |     |     | WATER<br>TEMP | OIL<br>PRESS |
|---------------|------|-------|-----|-----|------|-----|-----|---------------|--------------|
|               |      | PH1   | PH2 | PH3 | PH1  | PH2 | PH3 |               |              |
| 326.3         | 60.1 | 121   | 120 | 240 | 5    | 9   |     | 110           | 65           |
| 326.4         | 59.9 | 121   | 120 | 240 | 5    | 9   |     | 160           | 62           |
| 326.6         | 60.1 | 121   | 120 | 240 | 5    | 9   |     | 165           | 62           |
| 326.8         | 60.1 | 121   | 120 | 240 | 5    | 9   |     | 165           | 60           |

**MONTHLY/QUARTERLY**

**Consumables:**

- ☒ Fuel level 3/4  
☒ Oil level  
☒ Coolant level  
☒ Leakage  
☒ Fuel transfer pump  
☒ Fuel filter bowl

**Starter System:**

- ☒ Starter

**Battery/Charging Equipment:**

- ☒ Electrolyte fill level  
☒ OR battery load test  
☒ Electrical connections  
☒ Battery charger 13.2

**Engine:**

- ☒ Test heaters  
☒ Governor control  
☒ Fuel pump oil sump (if applicable)  
☒ Fan belts  
☒ Heater hoses/wires

**Control Panel:**

- ☒ Control panel covers  
☒ Test annunciator lamps  
☒ Control panel settings  
☒ Test remote signals

**General:**

- ☒ Air control louvers  
☒ Test Em. lighting units  
☒ Generator room temperature  
☒ Room(s) cleanliness/accessibility

**Test Entire System:**

- ☒ Simulate a power failure  
☒ Operate all ATS manual  
☒ Brush operation (if applicable)  
☒ Bearing seal leakage  
☒ Auxiliary equipment  
☒ Drain exhaust trap

**SEMI-ANNUAL**

- ☒ Clean crankcase breathers  
☒ Clean engine linkages  
☒ Lubricate governor & ventilation system  
☒ Test protective devices

**ANNUAL  
Control Panel:**

- ☒ All electrical connections  
☒ Test breakers  
☒ Clean insulators & bushings  
☒ Test voltage regulator  
☒ Operate all moving parts  
☒ Remove all dust  
☒ Check gauge calibration

**Engine:**

- ☒ Change oil filter(s)  
☒ Change fuel filter(s)  
☒ Oil sample (if applicable)  
☒ Change oil (if applicable)  
☒ Test coolant  
☒ Exhaust system  
☒ Lubricate linkages  
☒ Air filter(s)  
☒ Mechanical connections  
☒ Electrical connections  
☒ Test ignition system  
☒ Heat exchanger  
☒ Belts  
☒ Coolant pump(s)

**Diesel Fuel Storage Tank(s)  
- Clear/Bright Test:**

Is fuel clear and bright?  
 Yes ☒ No ☐

**Infrared Thermal Imaging:**

- ☒ Electrical components  
☒ Electrical connections

**Generator (Alternator):**

- ☒ Test surge suppressor & rotating rectifier  
☒ Grease bearings (if applicable)  
☒ Commutator & slip rings (if applicable)  
☒ Rotor & stator windings  
☒ Coupling bolts & alignment  
☒ Conduits for tightness  
☒ Windings at rotor/stator slots  
☒ Electrical connections

**Overcurrent Protection Devices:**

- ☒ Clean/Test

**Transfer Switches:**

- ☒ Visual inspection of electrical components

**General:**

- ☒ Lubricate door locks (if necessary)  
☒ Train staff (if necessary)

**TECHNICIAN:** Darcy Brintnell

**DATE:** April 27 2023

**COMMENTS:**

- ANNUAL MAINTENANCE

Changed filters sampled oil  
coolant tested ok, fuel tested clear & bright, fuel treatment added