



Maintenance Inspection Report as per CSA 282

| | |
|---------------|------------|
| Customer: | |
| Location: | |
| Date: | 2019-03-19 |
| Technician: | |
| Work Order #: | 28122 |

| | |
|--|-----------|
| Unit Hours: | 171.2 |
| kW/Voltage: | 300 / 600 |
| Service Type: | |
| Deficiencies requiring immediate attention? | No |

Generator Specifications:

| | | | | | |
|--------------|---------|--------|----------|-----------|---------|
| Genset Make: | GENERAC | Model: | --- | Serial #: | --- |
| Engine Make: | DETROIT | Model: | 6063MK35 | Serial #: | 1941078 |

Generator Inspection:

| | | | | | | | |
|------------------------|-----------|------------------|---------|--------------------|------|-----------------------|-------|
| Room/Gen Condition | Pass | Vibration | Pass | Air Intake | Pass | Time Delays | N/A |
| Battery Condition | Pass | Rad. Condition | Pass | Air Exhaust | Pass | Voltage Drop | N/A |
| Battery Charger | Pass | Guards | Pass | Air Filter | Pass | Circuit Breaker | Pass |
| Battery Connections | recommend | Coolant Level | Pass | Exhaust Flex | Pass | Fuses | Pass |
| Battery Charge Voltage | 26.82 | Coolant Cond. | -33 | Crankcase Breather | Pass | Alarm Functions | Pass |
| Battery Load Test | Pass | Hoses & Pipes | Pass | Muffler | Pass | Temperature | Pass |
| Starter Solenoid | Pass | Belts | Pass | Load Handling | Pass | Oil Pressure | Pass |
| Cranking | Pass | Block Heater | Pass | Generator End | Pass | Low Coolant Shutdown | Pass |
| Oil Change | Changed | Governor | Pass | AC Connections | Pass | Overspeed | Pass |
| Oil Sample | N/A | Stability | Pass | DC Connections | Pass | Alt. Charge Run Volts | 27.76 |
| Oil Level | Pass | Clean and Bright | Pass | Voltage Regulator | Pass | ATS Condition | Pass |
| Oil Leaks | Pass | Fuel Filter | Changed | Regulator Rheostat | N/A | Transfer Switch Op | Pass |
| Oil Filter | Pass | Fuel Lines | Pass | Control Panel | Pass | Transfer Delay | 3 |
| Engine Condition | Pass | Fuel Level | 76 | Meters/Gauges | Pass | Retransfer Delay | 60 |
| Turbo | Pass | Fuel Solenoid | Pass | Relays and Timers | N/A | Cooldown Timer | 300 |

Load Test:

| Load Test Time | Freq. (Hz) | Volts: | | | Amps: | | | Temp. | Oil Pressure | kW |
|----------------|------------|--------|-----|-----|-------|-----|-----|-------|--------------|-----|
| | | PH1 | PH2 | PH3 | PH1 | PH2 | PH3 | | | |
| 5 | 60.0 | 599 | 600 | 600 | 47 | 47 | 47 | 122 | 60 | 48 |
| 15 | 60.0 | 598 | 598 | 599 | 266 | 266 | 266 | 183 | 52 | 282 |
| 15 | 60.0 | 598 | 599 | 599 | 265 | 266 | 266 | 183 | 51 | 281 |
| 15 | 60.0 | 599 | 599 | 599 | 266 | 266 | 266 | 185 | 52 | 282 |
| 15 | 60.0 | 599 | 599 | 599 | 266 | 266 | 266 | 185 | 52 | 282 |
| 15 | 60.0 | 599 | 599 | 599 | 265 | 266 | 266 | 185 | 52 | 282 |
| 15 | 60.0 | 599 | 599 | 599 | 266 | 266 | 266 | 185 | 51 | 282 |
| 15 | 60.0 | 599 | 599 | 599 | 266 | 266 | 266 | 185 | 51 | 283 |
| 15 | 60.0 | 598 | 599 | 599 | 266 | 266 | 266 | 185 | 51 | 283 |

Notes:

Annual maintenance and inspection complete. Engine temperature and oil pressure alarms tested. The noted gen-set underwent a two hour load test in accordance with CSA 282 Standards (Emergency Electrical Supply Guidelines for Buildings) demonstrating the capacity to handle a sustained load while engine temperature and oil pressure remain within acceptable parameters. Site was left with all in good working order, and controller in AUTO. No deficiencies to report.