

- Recommendations
- Complete

# INSPECTION REPORT



(775) 376-3736

CUSTOMER: Critical Infrastructure Group JOB NUMBER: 1188  
 LOCATION: 1240 Icehouse DATE: 3/31/23  
 HOUR METER: 2079 - 2081 SERVICE: Annual/Load test  
 UNIT MFG: Multiquip MODEL: DCA-220SSK S/N: 3709374  
 ENGINE MFG: Komatsu MODEL: S6D125E-2 S/N: 87795  
 GEN. MFG: Denyo MODEL: DF-2400K S/N: 614301

**COOLING SYSTEM**

|  | Satisfactory                        | Unsatisfactory           |
|--|-------------------------------------|--------------------------|
| 1. ENGINE COOLANT LEVEL <u>Full</u>                        | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. RADIATOR CORE/HEAT EXCHANGER                            | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 3. COOLANT LINES/CONNECTIONS/HOSES                         | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 4. BLOCK HEATER  | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 5. ANTI-FREEZE PROTECTION <u>-32 Deg. F</u>                | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 6. COOLANT CHEMICALLY BALANCED 1) <u>Donaldson P552055</u> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 7. DRIVE BELTS   | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 8. WATER PUMP  | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

**D.C. ELECTRICAL SYSTEM**

|   |                                     |                          |
|---|-------------------------------------|--------------------------|
| 1. BATTERY INSTAL DATE: <u>GROUP 4D</u> QUANTITY <u>2</u> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. BATTERY CONNECTIONS/CABLES, CLEAN & TIGHT              | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 3. BATTERY CHARGING <u>26.67</u> DC VOLTS AMPS            | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 4. ELECTRICAL STARTER/ALTERNATOR                          | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 5. ELECTRICAL SYSTEM, ACCESSORIES & COMPONENTS            | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 6. DRIVE BELTS CRANK VOLTAGE <u>22.37</u>                 | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

**A/C ELECTRICAL SYSTEM**

|   |                                     |                          |
|---|-------------------------------------|--------------------------|
| 1. A/C WIRING                                 | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. BREAKER STATUS                             | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 3. CONTROL PANEL/SWITCH GEAR                  | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 4. A/C/ GENERATOR VOLTAGE                     | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 5. A/C GENERATOR FREQUENCY                    | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 6. ELECTRICAL SYSTEM ACCESSORIES & COMPONENTS | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

**AIR INDUCTION & EXHAUST SYSTEM**

|  |                                     |                          |
|--|-------------------------------------|--------------------------|
| 1. AIR CLEANER UNITS                   | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. AIR INDUCTION PIPING & CONNECTIONS  | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 3. TURBOCHARGER/BLOWER                 | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 4. EXHAUST MANIFOLD/PIPING/CONNECTIONS | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

**POWER UNIT**

|   | Satisfactory                        | Unsatisfactory           |
|---|-------------------------------------|--------------------------|
| 1. GENERATOR FRAMEWORK/HOUSING/CASING/STRUCTURE | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. VIBRATION MOUNTS                             | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

**LUBRICATION SYSTEM**

|   |                                     |                          |
|---|-------------------------------------|--------------------------|
| 1. ENGINE LEVEL OIL Full 10 Gal. Chevron 15-40w | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. ENGINE OIL FILTER 1) Donaldson P551670       | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 3. OIL PUMP PRESSURE 56 Psi                     | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 4. CRANK CASE BREATHER                          | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 5. OIL LEAKS (HOSES, CONNECTIONS,SEALS)         | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 6. GENERATOR BEARINGS                           | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

**FUEL SYSTEM**

|  |                                     |                          |
|--|-------------------------------------|--------------------------|
| 1. FUEL TANK/DAY TANK - PRODUCT LEVEL 1/4                | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. FUEL FILTERS - PRIMARY/SECONDARY 1) Donaldson P550108 | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 3. FUEL SYSTEM COMPONENTS/HOSES/PIPING/CONNECTIONS       | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 4. GAUGES & SAFETY MECHANISM                             | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 5. CONDENSATION/WATER IN FUEL                            | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

**OPERATION**

|   |                                     |                          |
|---|-------------------------------------|--------------------------|
| 1. START & RUN ENGINE                             | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. CHECK ALL GAUGES & LIGHTS                      | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 3. LISTEN FOR ENGINE SMOOTHNESS, NOISES, ODDITIES | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 4. GENERATOR LEFT IN OFF                          | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

REMARKS :

Annual Service was preformed, I removed and replaced 1) Donaldson P551670 oil filter, 10 gallons of Chevron 15-40w diesel engine oil, 1) Donaldson P550108 fuel filter, and 1) Donaldson P552055 coolant filter. The engine was the test ran for 15 minutes and then load banked for 2 hours, please see attached load bank report below.

**TOTAL GALLONS OF HAZARDOUS WASTE REMOVED FROM FACILITY**

OIL TOTAL: 10  
FILTER TOTAL: 3  
COOLANT TOTAL: 0  
BATTERY: 0

| Time  | KW  | V.A.C | AMPS | Hz | H2O Temp | Oil PSI | Fuel PSI | Batt. Volts | Amb Temp | HRS  |
|-------|-----|-------|------|----|----------|---------|----------|-------------|----------|------|
| 10:30 | 90  | 481   | 135  | 60 | 165      | 62      | Good     | 24.7        | 50       | 2079 |
| 10:45 | 90  | 481   | 135  | 60 | 171      | 60      | Good     | 24.6        | 50       | 2079 |
| 11:00 | 90  | 481   | 135  | 60 | 180      | 58      | Good     | 24.7        | 50       | 2080 |
| 11:15 | 90  | 480   | 135  | 60 | 175      | 58      | Good     | 24.7        | 50       | 2080 |
| 11:30 | 170 | 480   | 225  | 60 | 175      | 56      | Good     | 24.7        | 50       | 2080 |
| 11:45 | 170 | 481   | 225  | 60 | 182      | 55      | Good     | 24.7        | 50       | 2080 |
| 12:00 | 170 | 481   | 225  | 60 | 187      | 55      | Good     | 24.7        | 50       | 2080 |
| 12:15 | 170 | 481   | 225  | 60 | 185      | 54      | Good     | 24.7        | 50       | 2081 |

---

TECHNICIAN: Steve Fletcher

---

INITIALS: SF

---

CUSTOMER:

---

SIGNATURE: