

- Recommendations
- Complete

INSPECTION REPORT



(775) 376-3736

CUSTOMER: Critical Infrastructure Group JOB NUMBER: 1191
 LOCATION: 1240 Ice house ave. Reno, NV DATE: 6/16/23
 HOUR METER: 8679 - 8682 SERVICE: Annual/Load test
 UNIT MFG: MiltiQuip MODEL: DCA-800SSK S/N: 3700707
 ENGINE MFG: Komatsu MODEL: SA12V140E-1 S/N: 12545
 GEN. MFG: Denyo MODEL: DF-8800 S/N: 602853

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 <u>Good</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4. BLOCK HEATER <u>109 Deg. F</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5. ANTI-FREEZE PROTECTION <u>-30 Deg. F</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6. COOLANT CHEMICALLY BALANCED	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7. DRIVE BELTS <u>Good</u>	<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>4</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>YES</u> DC VOLTS <u>26.52</u> AMPS <u>2.8</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4. ELECTRICAL STARTER/ALTERNATOR <u>2) Nikko (PN:19938N) 24v</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5. ELECTRICAL SYSTEM, ACCESSORIES & COMPONENTS	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6. DRIVE BELTS <u>Good</u> CRANK VOLTAGE <u>21.87</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

A/C ELECTRICAL SYSTEM

1. A/C WIRING <u>Good</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. BREAKER STATUS <u>Open</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3. CONTROL PANEL/SWITCH GEAR <u>N/A</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4. A/C/ GENERATOR VOLTAGE <u>480v</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5. A/C GENERATOR FREQUENCY <u>60Hz</u>	<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	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. ENGINE OIL FILTER 4) Donaldson P551670 O/F	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3. OIL PUMP PRESSURE GOOD	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4. CRANK CASE BREATHER Clean	<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 2) P550202 1) P552020	<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 Cranks, starts, and runs well	<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 :

Full service and repairs on engine, I removed and replaced the following:

- 4) Donaldson P551670 Engine oil filters
- 2) Donaldson P550202 Fuel filter
- 1) Donaldson P552020 Racor fuel filter
- 2) Donaldson P552073 Coolant filters
- 2) Nikko (PN:19938N) 24vdc 11 tooth starters

Hand pump on right bank of engine was rebuilt by Diamond Diesel

Engine was then test ran for 10 minutes and then the 2 hour load bank was started

TOTAL GALLONS OF HAZARDOUS WASTE REMOVED FROM FACILITY

OIL TOTAL: 30
 FILTER TOTAL: 9
 COOLANT TOTAL: 0
 BATTERY: 0

Time	KW	V.A.C	AMPS	Hz	H2O Temp	Oil PSI	Fuel PSI	Batt. Volts	Amb Temp	HRS
9:15am	360	481	437	60	174	Good	Good	27.3	70	8680
9:30am	360	480	436	60	170	Good	Good	27.3	70	8680
9:45am	360	480	436	60	172	Good	Good	27.3	70	8680
10:00am	360	480	436	60	177	Good	Good	27.3	70	8681
10:15 am	707	480	865	60	181	Good	Good	27.3	70	8681
10:30 ar	707	480	865	60	185	Good	Good	27.3	70	8681
10:45am	707	480	865	60	187	Good	Good	27.3	70	8681
11:00am	707	480	865	60	185	Good	Good	27.3	70	8682

TECHNICIAN: Dylan Thran

INITIALS:DT

CUSTOMER: Critical Infrastructure Group

SIGNATURE: