



- Satisfactory
- Unsatisfactory
- Urgent

1271 Washington Ave., #271
 San Leandro, CA 94577
 Phone (866) 643-6738
 Fax (510) 430-2654

**INSPECTION AND PREVENTIVE MAINTENANCE
 SERVICE REPORT**

Customer Name	Power Gen Enterprises
Equipment Location	11411 Cumpstom Street
Equipment Model	KTA 38G1
Equipment Serial No.	33125625
Unit No.	Lawson Yard
Hours	149.4 to 150.6
KW	750
Voltage	480

Work Order 22818
 Field Tech Stephen Arcouette
 Tech email SA
 Reviewer jauer@cagenera

Date 5/5/2020
 Generator Model 750 DFJA
 Generator Serial No. J930522932
 Service Interval

- M Q SA A LT
- LTO PM3 AF OS FS
- CS TS BATT FP RFP

Service Items	Satisfactory	Unsatisfactory	Comments
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Cooling System

Radiator/Heat Exchanger	●	○	Inspected
Coolant	●	○	added 5 gallons before running engine
Hoses and Connections	●	○	Inspected
Fan Drive Pulley and Fan	●	○	Inspected
Fan Belts	●	○	Inspected
Jacket Water Heater	●	○	N/A
Water Pump	●	○	Inspected
Thermostats	●	○	Inspected

Fuel System

Fuel Tank	●	○	N/A
Water Trap Separator	●	○	N/A
Fuel Lines & Connections	●	○	Serviced
Governor & Controls	●	○	Inspected
Fuel Filters-Prim/Sec.	●	○	Inspected
Fuel Pressure	●	○	No gauge

Air Induction and Exhaust System

Air Filter	●	○	Inspected
Air Filter Service Indicator	●	○	N/A
Air Inlet System	●	○	Inspected
Turbocharger	●	○	Inspected
Exhaust Manifold	●	○	Inspected
Exhaust System	●	○	Inspected

Lube Oil System

Oil	●	○	Inspected
Oil Filters	●	○	Inspected
Oil Pressure	●	○	
Crankcase Breather	●	○	Inspected
S.O.S (Oil Sample)	●	○	N/A

Starting System

Batteries	●	○	Inspected
Batteries-Specific Gravity	●	○	N/A
Battery Charger	●	○	N/A
Starting Motor	●	○	Inspected
Alternator	●	○	Serviced

Engine Monitors & Safety Controls

Gauges	●	○	Serviced
Safety Controls	●	○	N/A

Service Items	Satisfactory	Unsatisfactory	Comments
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Generator

Bearings	●	○	Inspected
Space Heaters	●	○	N/A
Vibration Isolators	●	○	Inspected

Control Panel

Start Controls- Man/Auto	●	○	Inspected
Voltmeter	●	○	Inspected
Ammeter	●	○	Inspected
Frequency Meter	●	○	Inspected
Circuit Breaker	●	○	Inspected

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Date 05/05/2020
 Generator Model 750 DFJA
 Generator Serial No. J930522932

Unit No.		Lawson Yard							
Load Bank Test				AC - Three Phase			Power Factor: 1		
Time	Time of Day	kW	V.A.C	AMPS	Hz	H2O Temp	Oil PSI	Batt. Volts	Amb Temp
0:00	11:00 AM	199	480	239	60	145.0°	98	27	65.0°
0:15	11:15 AM	396	480	476	60	172.0°	82	27	65.0°
0:30	11:30 AM	634	480	762	60	186.0°	74	27	65.0°
0:45	11:45 AM	634	480	762	60	186.0°	74	27	65.0°
1:00	12:00 PM	634	480	762	60	186.0°	74	27	65.0°
1:15	12:15 PM	0	480	0	0	0.0°	0	0	0.0°
1:30	12:30 PM	0	480	0	0	0.0°	0	0	0.0°
1:45	12:45 PM	0	480	0	0	0.0°	0	0	0.0°
2:00	1:00 PM	0	480	0	0	0.0°	0	0	0.0°
Cooldown (5 min.)		0							
Comments		System left in manual/Off		Breaker (Open)		No time added		No deviation to work detail	
<p>Previous test was not completed due to fuel leak. New seals were installed on fuel pipe out of the injection pump to the fuel rail junction block. 5 gallons of coolant was added to the system before running the engine. We had the yard move the generator for better access to all sides of the generator. A fuel supply was connected to the fuel lines, batteries were connected. We started the engine and discovered there was still fuel leaking out of the high pressure line. We turned engine off to troubleshoot. Removed the line and fittings around the leak. The threads on the fuel connection point were gulled. We filed the fuel pipe threads and were able to get the engine to run with out leaking fuel. Started the load bank test once the engine warmed up to 140 degrees and there was no fuel leak. The load was stepped up every fifteen minutes. At about 50 minutes into the test the leak had restarted. Turned the load bank off. New seals and fuel line connectors were ordered.</p> <p>Went back to the site to install all new connectors at the fuel leak point. Engine was ran to verify there was no leak. Installed all covers on the generator housing that were off, supplied all new hardware. batteries were disconnected before leaving the site.</p>									
Recommendations		Men required for recommended job			Hours required for recommended job (ea.)				
<ul style="list-style-type: none"> • • • • • • • • • • 									
MANIFEST REPORT									
TOTAL GALLONS OF HAZARDOUS WASTE REMOVED FROM FACILITY									
OIL (TOTAL)	0	COOLANT (TOTAL)	0						
FILTER (TOTAL)	0	BATTERIES (TOT.)	N/A						
I certify that all of the information provided in this report is to the best of my knowledge, correct and complete.									
CUSTOMER:	Victor S.				TECHNICIAN:	Stephen Arcouette			
CUST. EMAIL:	<u>sales@powergenenterprises.com</u>				SIGNATURE:	<u>Stephen Arcouette 05/05/2020</u>			