

rev:6-2008



625 N. Shepard Street
Anaheim, CA. 92806

24-hour Response Line: (800) 675-4545
Fax Line: (714) 692-2385
service@odysseypower.com

Work Order	8230	Site ID	2600
Date:	October 13, 2008		
Site:	SAMPLE CO		
Address	123 STREET		
City, State	CITY, STATE, ZIP		
Contact Info	Site POC		Met With:
	NAME		NAME
Phone	111-111-1111		
E-Mail			

General Maintenance Type		OR	Preventive Maintenance Type		Billed As	
Trouble Call	<input type="checkbox"/>		Warranty Coverage PM	<input type="checkbox"/>	Contract Work	<input checked="" type="checkbox"/>
Repair Maintenance	<input checked="" type="checkbox"/>		One Time PM	<input type="checkbox"/>	Time and Materials Work	<input checked="" type="checkbox"/>
Start-Up / Restart	<input type="checkbox"/>		Monthly PM	<input type="checkbox"/>	Warranty Management (Inhouse)	<input type="checkbox"/>
FCN / Modification	<input type="checkbox"/>		Quarterly PM	<input type="checkbox"/>	Warranty Management (Manufacturer)	<input type="checkbox"/>
Specialized Testing	<input type="checkbox"/>		Minor PM	<input type="checkbox"/>	Public Relations Work	<input type="checkbox"/>
Onsite Standby / Training	<input type="checkbox"/>		Major PM	<input checked="" type="checkbox"/>	ACCESS DENIED (trip charge)	<input type="checkbox"/>

Equip ID	Make	Model	Serial	Type
7239	CUMMINS	GTA855G1	25309372	250KW GENERATOR

Field Service Engineer (FSE): ENGINEER

E x p e n s e	Date	Travel to Site		Labor		Lunch		Next Job or Return Travel		
	(mm/dd/yy)	Start	Mileage	START	END	YES	Duration (hrs)	YES	Return Travel END	
	10/13/08	0900	72	1000	1500	<input type="checkbox"/>	EC	<input checked="" type="checkbox"/>	WO: 8236	
					<input type="checkbox"/>		<input type="checkbox"/>			
					<input type="checkbox"/>		<input type="checkbox"/>			
	Date	Car Rental	Fuel	Parking	Tolls	Airfare	Meals	Lodging	Misc. Item	Cost

**A
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n**
ON SITE TO PERFORM BATTERY REPLACEMENT, MAJOR GENERATOR MAINTENANCE, AND ATS MAINTENANCE. GENERATOR WAS A 'NO START' UPON ARRIVAL DUE TO BATTERIES AND STARTED WITHOUT PROBLEMS WITH NEW BATTERIES. ALL EQUIPMENT IS IN GOOD OPERATING CONDITION AT THIS TIME.

R e c o m m e n d a t i o n s	1	NONE AT THIS TIME.
	2	
	3	
	4	



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Date	10/13/08		
Site	SAMPLE CO		
123 STREET	NAME		
CITY, STATE, ZIP	111-111-1111 x0		

Generator System				KW	Hours	Fuel Type
FSE	ENGINEER	Equip I D	7239	250	39.7	LPG

Engine			
Make	ONAN/CUMMINS	Model	GTA855G1
Serial	25309372		

Generator			
Make	STAMFORD	Model	185GFBA
Serial	DM06B103012		

Generator Mode	Output Breaker	Permission For Status Change	N/A
Arrival Status	Auto <input checked="" type="checkbox"/> Off <input type="checkbox"/>	On <input checked="" type="checkbox"/> Off <input type="checkbox"/>	Name: <input checked="" type="checkbox"/>
Departure Status	Auto <input checked="" type="checkbox"/> Off <input type="checkbox"/>	On <input checked="" type="checkbox"/> Off <input type="checkbox"/>	Phone:

	Pass	Note	N/A	Comments	
E l e c t r i c a l	Batteries				
	Hydrometer	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	BATTERIES REPLACED
	Cables	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	MINOR CORROSION REQUIRED CLEANING
	Terminal Corrosion	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	BATTERIES REPLACED
	Electrolyte Level	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	BATTERIES REPLACED
	Charger	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	Float Voltage (Vdc)		25.9	<input type="checkbox"/>	
	Loaded Voltage (Vdc)		23.8	<input type="checkbox"/>	
	Date Code		Mar-08	<input type="checkbox"/>	
	Generator				
	Alarms	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	BATTERIES REPLACED
	Brushes	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	SHUTDOWN ALARM WAS RESET
	Slip Rings	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
	Cleaned Carbon Dust	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
	Control Panel(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Wiring / Connections	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Ignition / Starter					
Starter	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Wires	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Coil	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Plugs	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Distributor	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	ELECTRONIC IGNITION	
F u e l	Belly Tank Size / Level			<input checked="" type="checkbox"/>	PERMANENT LPG CONNECTION
	Added (gal)			<input checked="" type="checkbox"/>	
	Day Tank Size / Level			<input checked="" type="checkbox"/>	
	Added (gal)			<input checked="" type="checkbox"/>	
	Primer	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	Fuel Filter	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
	Lines and Connections	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Water Separator	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Governor Lubricate / Adjust	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
A i r	Piping / Connections	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	Air Filter	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	REPLACEMENT NOT REQUIRED AT THIS TIME
	Filter Housing	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	Turbocharger(visual)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
O i l	Level	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	OIL REPLACED
	Added (gal)		9	<input type="checkbox"/>	
	Lines and Connections	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	Oil Filter(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	FILTER REPLACED
Pressure(psig)		52	<input type="checkbox"/>		



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Site	SAMPLE CO		
123 STREET CITY, STATE, ZIP	NAME 111-111-1111 x0		

Generator System

Page 2 (Continued)

FSE	ENGINEER	Equip I D	7239
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	Pass	Note	N/A	Comments	
C o o l i n g	Level	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	Added (gal)	<input type="checkbox"/>		<input checked="" type="checkbox"/>	
	Concentration (Freeze point)	<input type="checkbox"/>	-34 F.	<input type="checkbox"/>	RED COOLANT
	Block Heater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	Temperature	<input type="checkbox"/>	123 F.	<input type="checkbox"/>	
	Radiator	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	Leaks	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	Hoses	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	Belts	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	Cap Seal / Pressure Test	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
O p e r a t i o n	Output Voltage (Vac)		208	<input type="checkbox"/>	
	Output Frequency (Hz)		60.0	<input type="checkbox"/>	
	Start Time (Sec)		5	<input type="checkbox"/>	
	Alternator Voltage (Vdc)		27.4	<input type="checkbox"/>	
	Max. Coolant Temp. (deg. F)		182	<input type="checkbox"/>	
	Max Load (kW)		0	<input type="checkbox"/>	
	Method of Start		LOCAL	<input type="checkbox"/>	ALSO STARTED / STOPPED FROM ATS

Not Applicable This PM Load Testing

Start Time	End Time	0	Ending Fuel Level		Fuel Topped Off	<input type="checkbox"/> Yes	<input type="checkbox"/> Not Authorized		
Load %	0	25	25	50	50	75	75*	0	
Load (kw)	0								
Time	0								
Oil pressure (psig)									
Coolant Temp. (deg. F)									
Voltage (Vac)									
Frequency (Hz)									
Exhaust Cylinder #	1	2	3	4	5	6	7	8	Turbo
*75% Infrared Scan (deg F.)									

Notes

GENERATOR WAS A 'NO START' UPON ARRIVAL DUE TO BAD BATTERIES. BATTERIES WERE REPLACED AND GENERATOR STARTED WITHOUT PROBLEMS. GENERATOR WAS DUSTED OFF AND ENCLOSURE WAS SWEEPED. OIL AND OIL FILTER WERE REPLACED, AND WASTE OIL WAS REMOVED FROM THE SITE. GENERATOR IS IN GOOD OPERATING CONDITION AT THIS TIME.

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Date	10/13/08		
Site	SAMPLE CO		
123 STREET		NAME	
CITY, STATE, ZIP		111-111-1111 x0	
Designator	Room Location	Mfg Date	
ATS	SERVER ROOM	May-06	

Automatic Transfer Switch (ATS)

FSE	ENGINEER	Equip ID	7240
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Make	CUMMINS	Model	OTPC-5746948	Serial	L050869221	
SOURCE 1	Value	Displayed Value	Actual Measurement		I R S C A N O F F L I N E C H E C K G E N E R A L O P E R A T I O N C O M M E N T S	
	Voltage A-B	N/A Vac	212	Vac		Fuses <input type="checkbox"/> Pass <input type="checkbox"/> Note <input type="checkbox"/> N/A <input checked="" type="checkbox"/>
	Voltage B-C	N/A Vac	211	Vac		Busswork <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
	Voltage C-A	N/A Vac	211	Vac		Power Connections <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
	Voltage A-N	N/A Vac	122	Vac		Control Connections <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
	Voltage B-N	N/A Vac	122	Vac		Semiconductor Devices <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
	Voltage C-N	N/A Vac	122	Vac		Maximum Cable Temp.(F) 77 A' OUTPUT
	Current-A	N/A Aac	118	Aac		Not applicable this PM: <input checked="" type="checkbox"/> Pass Note N/A
	Current-B	N/A Aac	134	Aac		Power Connections <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
	Current-C	N/A Aac	111	Aac		Source-1 Arcing Contacts <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
	Neutral Current	N/A Aac	23	Aac		Source-1 Main Contacts <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
	Frequency	N/A Hz	60.0	Hz		Source-2 Arcing Contacts <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
						Source-2 Main Contacts <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
						Control Connections <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
				Relay Seating <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		
				Circuit Boards <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		
				Ribbon Cables / Terminals <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		
				Control Contact Adjustment <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		
SOURCE 2	Value	Displayed Value	Actual Measurement		Overall Visual <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
	Voltage A-B	N/A Vac	209	Vac	Interlock <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
	Voltage B-C	N/A Vac	209	Vac	Grounding <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
	Voltage C-A	N/A Vac	209	Vac	Structural <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
	Voltage A-N	N/A Vac	121	Vac	Moisture <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
	Voltage B-N	N/A Vac	120	Vac	Lubrication <input type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	
	Voltage C-N	N/A Vac	121	Vac	Environment <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
	Current-A	N/A Aac	0	Aac	Module Cleanliness <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
	Current-B	N/A Aac	0	Aac	Compressed Air Cleaned <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>	
	Current-C	N/A Aac	0	Aac		
Neutral Current	N/A Aac	0	Aac			
Frequency	N/A Hz	60.1	Hz			
CONTACTS	Source 1		Source 2			
	Voltage Drop A	47.1 mVac	N/A	mVac		
	Voltage Drop B	22.6 mVac	N/A	mVac		
TIMER	Source 1 Voltage Relay	N/A Sec	Sec	<input checked="" type="checkbox"/> N/A		
	Source 2 Voltage Relay	N/A Sec	Sec	<input checked="" type="checkbox"/> N/A		
	Momentary Outage	N/A Sec	Sec	<input checked="" type="checkbox"/> N/A		
	Transfer to Emergency	N/A Sec	Sec	<input checked="" type="checkbox"/> N/A		
	Transfer to Normal	N/A Sec	Sec	<input checked="" type="checkbox"/> N/A		
	Cool-Down	N/A Sec	Sec	<input checked="" type="checkbox"/> N/A		
BLOCK	As found:	ST <input type="checkbox"/> DST <input type="checkbox"/>				
	Adjusted to:	ST <input type="checkbox"/> DST <input type="checkbox"/>				
	Not Applicable	<input checked="" type="checkbox"/> Non Adjustable <input type="checkbox"/>				
	Run Time Hours:	N/A				

COMMENTS
 GENERATOR WAS STARTED AND STOPPED FROM
 ATS. SOME TESTS/CHECKS COULD NOT BE
 PERFORMED WITHOUT COMPLETELY DEENERGIZING
 ATS AND ALL DOWNSTREAM LOADS. ATS IS IN GOOD
 OPERATING CONDITION AT THIS TIME.