

Patten**HEADER INFO FOR ATTACHED FORMS**

Date (mm/dd/yy)	J8	3/4/2015	J8
Work Order #	J9		J9
Tech Clock #	J10	1511	J10
Customer Name	J11	AARON	J11
Acct #	J12		J12
Customer Unit #	J13	46814001	J13
Address	J14		J14
City, State	J15		J15
Engine Make (AA, CU, DD ect.....)	J16	VOLVO	J16
Engine Model #	J17	D16	J17
Engine Serial #	J18	021076-C3-A	J18
Generator Make (AA, CU, DD Ect..)	J19	KOHLER	J19
Gen Model #	J20	500REOZB	J20
Gen Serial #	J21	2173126	J21
Cat Package Serial Number	J22	N/A	J22
Rated Voltage	J23	480	J23
Rated Kilowatts	J24	505	J24
Type of Unit (generator, Firepump , Marine)	J25	GENERATOR	J25
Hours	J26	146	J26
	J27		J27
	J28		J28
Silver or Gold Service	J29	LT	J29
	J30		J30
	J31		J31
	J32		J32
	J33		J33
	J34		J34
	J35		J35
	J36		J36
	J37		J37
	J38		J38
	J39		J39
	J40		J40
	J41		J41
	J42		J42
	J43		J43
	J44		J44
	J45		J45
	J46		J46
	J47		J47
	J48		J48
	J49		J49
	J50		J50
	J51		J51
	J52		J52
	J53		J53
	J54		J54
	J55		J55
	J56		J56
	J57		J57
	J58		J58
	J59		J59

PATTEN POWER SYSTEMS 24 HOUR CENTRAL DISPATCH EMERGENCY TELEPHONE

TOLL FREE: 1 (877) 891-4181 www.pattenpower.com

Customer Name:	AARON	Account Number:	0	Date:	3/4/15
Address:	0	Customer Unit Number:	46814001	Work Order Number:	0
Engine Make:	VOLVO	Package Serial Number:	N/A	Technician Number:	1511
Engine Model Number:	D16	Rated Voltage:	480	Service Meter Reading:	146.0
Engine Serial Number:	021076-C3-A	Rated Kilowatts:	505	Type of Service:	LT
Generator Make:	KOHLER				
Generator Model Number:	500REOZB				
Generator Serial Number:	2173126				

	% load	VAC	Amps	HZ	Hrs	Oil PSI	Wtr Temp	Fuel PSI	Amb Temp	DC Volt	Service Remarks
Before Start Up	0	0	0	0.0	146.00						
At Start UP					146.00				0		
After 15 Mins					146.25						
	Satis- factory	Unsatis- factory	Non- Applicable								

Cooling System	Service Remarks										
Radiator/Heat Exchanger											
Expansion Tank Coolant Level											
Radiator Cap											
Hoses and Connections											
Aftercooler Level											
Fan Belt(s)											
Water Pump(s)											
Fan, Drive and Pulley											
Jacket Water Heater(s)				Jacket Water Heater Temp Setting			Jacket Water Heater Voltage/Current				
Engine Coolant				Freeze Point			Inhibitor Level (PPM)			Inhibitor Added (Y/N) and Quantity	
Engine Coolant Sample Taken (Y / N)				Sample Valve Installed (Y / N)			Type of Coolant: ELC, Conventional or other				
Aftercooler Coolant				Freeze Point			Inhibitor Level (PPM)			Inhibitor Added (Y/N) and Quantity	
Aftercooler Coolant Sample Taken (Y / N)				Sample Valve Installed (Y / N)							
Heater Hoses				Recommend replacement of hoses?			Customer Approved?			Customer Declined?	

Fuel System	Service Remarks										
Fuel Lines and Connections											
Governor and Controls											
Day Tank Operational Test											
Day Tank Level and Gauge											
Checked Day Tank for water/condensation											
Aprox Fuel Level											
Replace Fuel Filters (Y / N)											
Maintain Fuel Water Separator				Date (MM/DD/YY)					Fuel Sample Taken?		

Lube Oil System	Service Remarks										
Crankcase Breather											
Oil Filters Changed (Y / N)											
Oil Sample Taken (Y / N)				Sample Valve Installed (Y / N)			Sample Taken from: Sample Port, Crankcase or Other				
Oil Changed (Y / N)				Quantity of Oil Used					Type of Oil Used		

PREVENTIVE MAINTENANCE REPORT
PAGE 2

Customer Name: AARON
Address: 0
Engine Make: VOLVO
Engine Model Number: D16
Engine Serial Number: 021076-C3-A
Generator Make: KOHLER
Generator Model Number: 500REOZB
Generator Serial Number: 2173126

Account Number: 0
Customer Unit Number: 46814001
Package Serial Number: N/A
Rated Voltage: 480
Rated Kilowatts: 505

Date: 1/0/00
Work Order Number: 0
Technician Number: 1511
Service Meter Reading: 146.0
Type of Service: LT

Satis- factory	Unsatis- factory	Non Applicable
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Starting System				Service Remarks	
Starting Motor (s)					
Inspect and Maintain Batteries (s)					
Charger Operation				DC Charging Volts / Amps	DATE - MM-YYYY
Specific Gravity				High Cell Reading / Low Cell Reading	

Air Induction and Exhaust				Service Remarks	
Air Filter(s)					
Air Filter Service Indicator(s)					
Air Inlet System					
Turbocharger(s)					
Exhaust System					
Valves and Valve Rotators					
Louver Operation					
Rain Cap Operation					

Engine Monitors, Safety				Service Remarks	
Safety Controls					
Remote Annunciator / Alarms					
Start Controls-Manual And Auto					
Inspect Circuit Breaker					

Generator				Service Remarks	
Slip Rings and Brushes					
Space Heater(s)					
Vibration Isolators					
Wiring Connections					
Cable Connections					
Grease Bearing as Needed				Date (MM/DD/YY)	

Gas Engine Only (if applicable)				Service Remarks	
Gas Line/Connections					
Carburetor and Linkage					
Verify Engine Operation					

Status of Controls After Performing Service Work	Engine Control Switch Position	Generator Output Breaker Open or Closed	Battery Charger ON or OFF
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TECHNICIAN SIGNATURE: _____ **x** **DATE:** 3/4/15

CUSTOMER SIGNATURE: _____ **x** **DATE:** 3/4/15

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AARON
46814001

LOAD AND OPERATION TEST

PAGE 1

PATTEN POWER SYSTEMS 24 HOUR CENTRAL DISPATCH EMERGENCY TELEPHONE TOLL FREE:

1 (877) 891-4181 www.pattenpower.com

Customer Name: AARON
Unit Location: 0
Unit #: 46814001
Manufacturer: VOLVO
Model #: D16
Serial #: 021076-C3-A
Voltage Stability: GOOD
Rated KW: 505

Date: 03/04/15
Work Order #: 0
Acct. #: 0
Tech #: 1511
Hour Meter Start: 146.0
Hour Meter Finish: 147.0
Package Serial #: N/A

MULTIPLE READING TEST

Elapsed Time Hrs.	0.25	0.50	0.75	1.00	1.25	1.50	1.75	2.00
% of Load	99.7%	99.7%	99.7%	#VALUE!	0.0%	0.0%	0.0%	0.0%
KW Meter	503.5	503.5	503.5	#VALUE!	0.0	0.0	0.0	0.0
Engine Speed	1,800	1,800	1,800	1,800	0	0	0	0
Power Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Voltmeter L1 - L2	484	484	484	484				
Voltmeter L2 - L3	483	483	483	483				
Voltmeter L1 - L3	484	484	484	h				
Ammeter L1	601	601	601	601				
Ammeter L2	602	602	602	602				
Ammeter L3	600	600	600	600				
Frequency Meter	60.0	60.0	60.0	60.0				
Lube Oil Pressure	70	68	67	67				
Water Temp	179	180	181	181				
Ambient Room Temp	14	14	14	14				
Exhaust Temp	N/A	N/A	N/A	N/A				
Oil Temp	N/A	N/A	N/A	N/A				
Battery Voltage	27.0	27.0	27.0	27.0				
Fuel Pressure	N/A	N/A	N/A	N/A				
Fuel Level	N/A	N/A	N/A	N/A				

COMMENTS AND RECOMMENDATIONS

HOOKEED UP FUEL SUPPLY, HOOKEED UP LOAD BANK. WENT OVER UNIT OK. HOOKEED UP J/W HEATER AND WARMED UNIT UP OVER NIGHT. STARTED UNIT AND LOADED UNIT TO 100% FOR 1 HR NO PROBLEMS FOUND. UNIT HAS NO BATTERIES. UNIT HAS ALT. UNIT HAS 2 400 AMP BREAKERS.

CUSTOMER SIGNATURE:

Date: March 4, 2015

TECHNICIAN SIGNATURE:

Date: March 4, 2015

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AARON

46814001

LOAD AND OPERATION TEST

PAGE 2

PATTEN POWER SYSTEMS 24 HOUR CENTRAL DISPATCH EMERGENCY TELEPHONE TOLL FREE:

1 (877) 891-4181 www.pattenpower.com

Customer Name	AARON	Date	3/4/15
Unit Location	0	Work Order #	0
Unit #	46814001	Acct. #	0
Manufacturer	VOLVO	Tech #	1511
Model #	D16	Hour Meter Start	146.0
Serial #	021076-C3-A	Hour Meter Finish	147.0
Voltage Stability	GOOD	Package Serial #:	N/A
Rated KW	505	0	0

MULTIPLE READING TEST

Elapsed Time Hrs.	2.25	2.50	2.75	3.00	3.25	3.50	3.75	4.00
% of Load	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
KW Meter	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Engine Speed	0	0	0	0	0	0	0	0
Power Factor								
Voltmeter L1 - L2								
Voltmeter L2 - L3								
Voltmeter L1 - L3								
Ammeter L1								
Ammeter L2								
Ammeter L3								
Frequency Meter								
Lube Oil Pressure								
Water Temp								
Ambient Room Temp								
Exhaust Temp								
Oil Temp								
Battery Voltage								
Fuel Pressure								
Fuel Level								
0								
0								
0								

COMMENTS AND RECOMMENDATIONS

HOOKED UP FUEL SUPPLY, HOOKED UP LOAD BANK. WENT OVER UNIT OK. HOOKED UP J/W HEATER AND WARMED UNIT UP OVER NIGHT. STARTED UNIT AND LOADED UNIT TO 100% FOR 1 HR NO PROBLEMS FOUND. UNIT HAS NO BATTERIES. UNIT HAS ALT. UNIT HAS 2 400 AMP BREAKERS.

Quote / Repair Form
Patten Power Systems

(877) 891-4181

Sales Link _____
Approved _____
Printed _____
Job Log _____
Daily Sales Tracking _____

DATE:			SALES PERSON		Tech #	1511
CUSTOMER ACCT # / NAME		0	AARON			
BILL TO ACCT # / NAME						
SITE ADDRESS / CONTACT INFO						
ORIGINATING JOB NUMBER:		0				
MAKE:		VOLVO				
MODEL:		D16				
SERIAL NUMBER:		021076-C3-A				
TOTAL LABOR ESTIMATE						
TOTAL CAT PARTS @ SELL						
TOTAL MISC COST / MARK UP						
TOTAL COST OF REPAIR						
HOW MANY DAYS ON SITE						
TOTAL LABOR ESTIMATE						
TRAVEL TIME INCLUDED IN LBR?						
HOW MANY TECHNICIANS REQUIRED						
TOTAL ROUND TRIP MILEAGE						
IS A QUOTE REQUIRED?						
IS OVERNIGHT SHIPPING REQUIRED?						
SCHEDULE DATE / URGENCY						
DESCRIPTION OF WORK						
SEND QUOTE TO:						
SPECIAL INSTRUCTIONS TO TECH						
PARTS REQUIRED:						
QUANTITY	PART NUMBER	PART DESCRIPTION / VENDOR			PARTS PRICE	
						\$ -
						\$ -
						\$ -
						\$ -
		TOTAL CAT PARTS				\$-
						\$ -
						\$ -
						\$ -
						\$ -
						\$ -
						\$ -
						\$ -
		TOTAL NON-CAT PARTS (INCLUDING MARK UP)				\$-