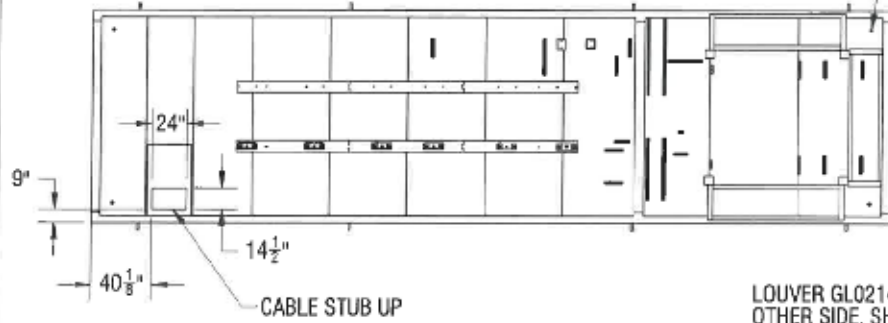


CAT 10345 3516 SYN GAS - SHIPPING

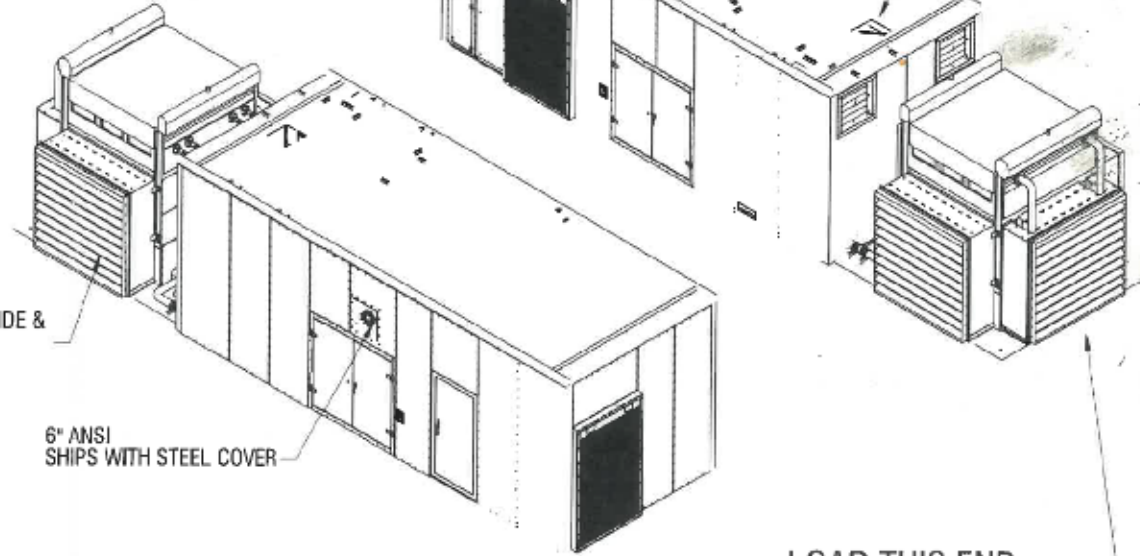
WEIGHT (LBS): 15319.426
 SURFACE AREA (SQFT): 2854.134

TOP VIEW
 (ALL ITEMS EXCEPT SKID ARE HIDDEN)



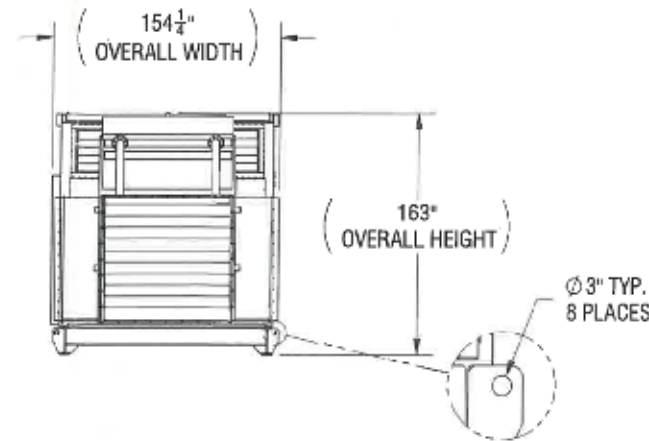
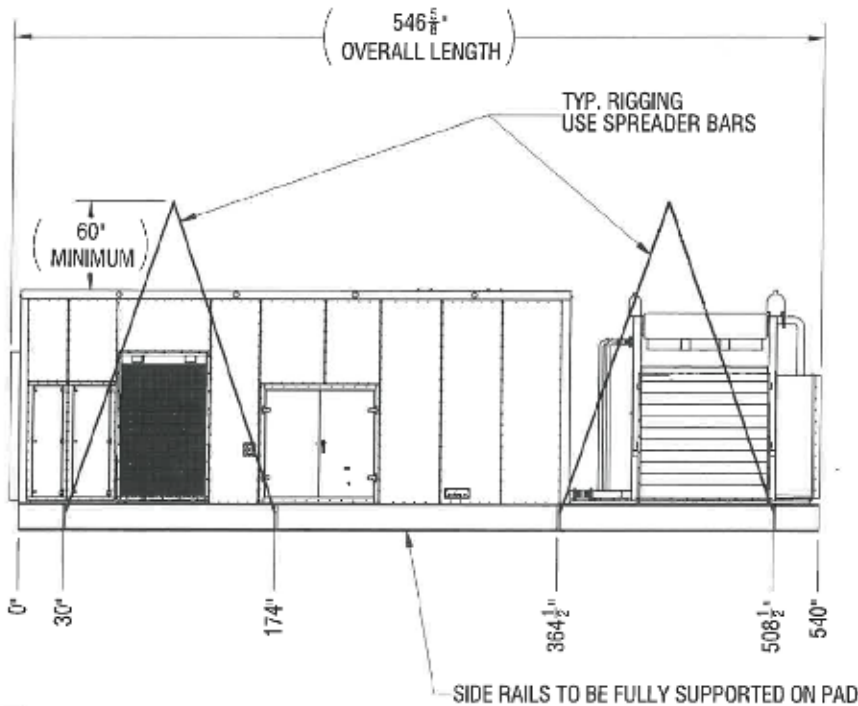
UNIT SHIPS WITHOUT
 DRAIN PLUGS IN SPILL PAN

LOUVER GL0214-WD THIS SIDE &
 OTHER SIDE, SHIP LOOSE



LOAD THIS END
 TOWARDS SEMI-TRACTOR

*UNIT SHIPS WITHOUT COOLANT
 (USES APPROX. 300 GALLONS)



WEIGHT APPROX. 90,000 LBS

GIRTZ

ALL DIMENSIONS ARE AS SHOWN UNLESS OTHERWISE SHOWN
 1.0 ± .050
 1.00 ± .050
 1.000 ± .015
 ALL HOLES UNDER Ø 1.000 ± .008
 FRACTIONAL DIM ± 1/16"
 ANGULAR DIM ± 1°

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DESCRIPTION: G3516C CAT LAF GAS SHIPPING

MATERIAL: SEE BOM

SCALE: 1:90

DESIGN BY: LVC

PAGE: 1 OF 5

DATE: 12/09/2010

DRAWN BY: JMB

REVISION: N/A

CUSTOMER REV: 00

PART NUMBER: CAT 10345 3516 SYN GAS - SHIPPING

OUT OPERATION:

CAT 10345 3516 SYN GAS - SHIPPING

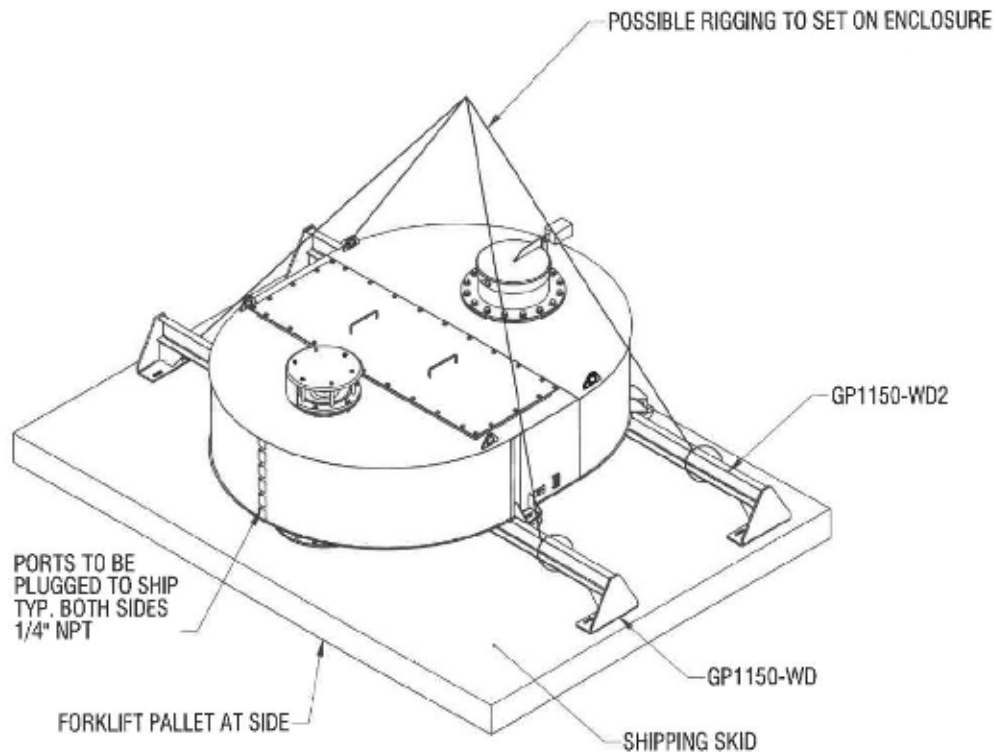
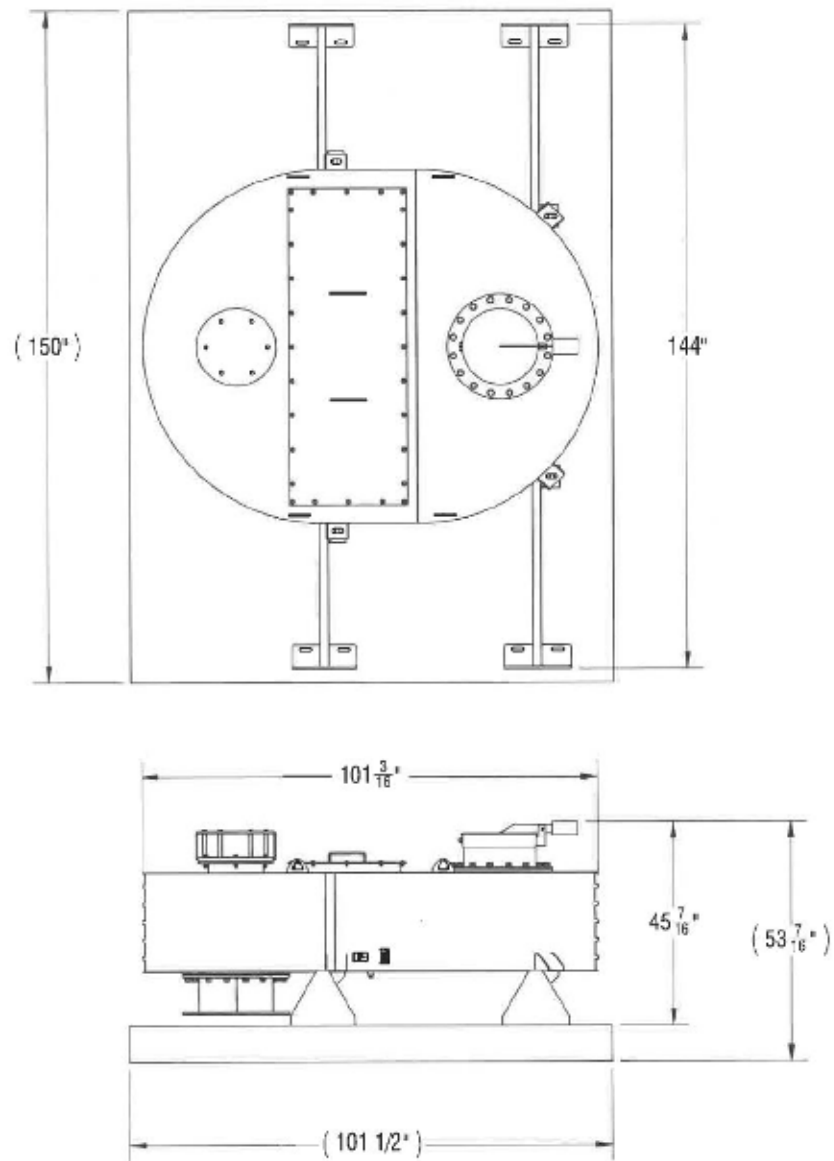
WEIGHT (LBS): 15319.426

SURFACE AREA (SQFT): 2854.134

SHIP LOOSE SKID #1

EXHAUST INSTALL:

-FOLLOW 'GECC1004-ASSEM' & 'CAT 10345 3516 SYN GAS' TO INSTALL EXHAUST TO UNIT
 -USE GP1150-WD & GP1150-WD2 / EXHAUST SUPPORTS

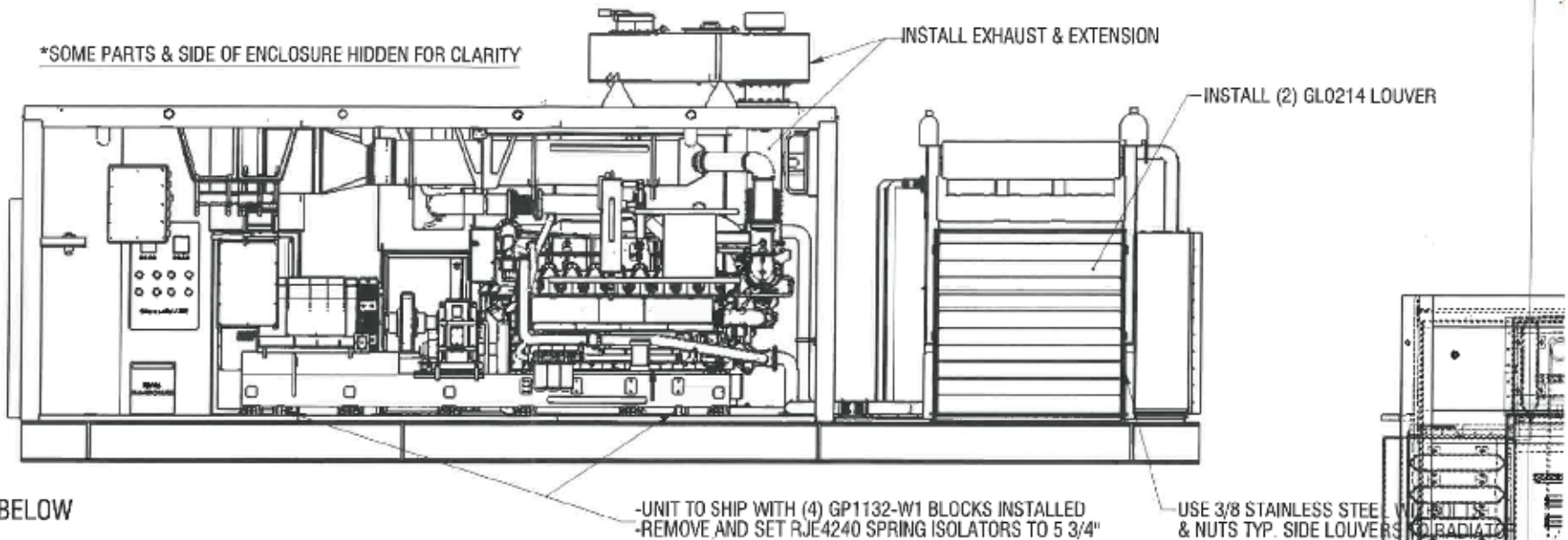


ESTIMATED WEIGHT OF EXHAUST AND SUPPORTS: 2,400 LBS

		<small>ALL DIMENSIONS ARE TO BE AS SHOWN UNLESS OTHERWISE SPECIFIED. TOLERANCES ARE AS SHOWN UNLESS OTHERWISE SPECIFIED.</small>	
		<small>ALL TOLERANCES ARE AS SHOWN UNLESS OTHERWISE SPECIFIED.</small> 1.0 ± .050 1.00 ± .030 1.000 ± .015 FRACTIONAL DIM ± 1/16 ANGULAR DIM ± 1°	
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<small>An asterisk (*) in the bill of material or on a drawing is a manually edited field that will not auto-update on next revision.</small>		<small>Drawing uses 3rd angle projection, unless noted.</small>	
DESCRIPTION: G3516C CAT LAF GAS SHIPPING			
MATERIAL: SEE BOM		SCALE: 1:30	
DESIGN BY: LVC	PAGE: 2 OF 5	DATE: 12/09/2010	
DRAWN BY: JMB	SEND TYPE: N/A	CUSTOMER REV: 00	
PART NUMBER: CAT 10345 3516 SYN GAS - SHIPPING		QTY OPERATION	

CAT 10345 3516 SYN GAS - SHIPPING

WEIGHT (LBS): 15313.426
 SURFACE AREA (SQFT): 2854.134



SHIP LOOSE - APPROX. SIZES & LIST BELOW

PALLET #1

- SILENCER ASSY W/ RAIN CAP TO GP1150-WD & GP1150-WD2 (SEE Pg. 2 OF PRINT)
- STAINLESS EMISSION LINES AND HARDWARE

BOX #2 (4'L X 4'W, APPROX. 2,000 LBS.)

- EXHAUST WRAP, & EXHAUST HARDWARE
- GAS REGULATOR
- GAS REGULATOR ADAPTER GP1198-ASSEM
- MISC. HARDWARE FOR LOUVERS

BOX #3 (SMALL & APPROX. 100 LBS.)

- MSA - 10028028 - 0 AIR GAS
- 809997 3 BUTTON CALB - CALIBRATOR
- CALIBRATION KIT - CALIBRATION KIT
- CAT MANUALS
- PIPE-6 SPIRAL GASKET

PALLET #4 (4'L X 4'W SKID: APPROX. 500 LBS.)

- CATALYST - QTY: 4 - GECB4003-W1

PALLET #5 (4'W X 8'L: APPROX. 500 LBS.)

- EXHAUST STACK AND RAIN SHIELD

PALLET #6 (90"W X 90"L, APPROX. 800 LBS.)

- QTY: 2 - GL0214 LOUVERS

-UNIT TO SHIP WITH (4) GP1132-W1 BLOCKS INSTALLED
 -REMOVE AND SET RJE4240 SPRING ISOLATORS TO 5 3/4"

USE 3/8 STAINLESS STEEL W/ 1/2\"/>

KEYS FOR THE FOLLOWING WILL BE IN THE UNIT PRIOR TO SHIPPING:

- (2) DOUBLE SERVICE DOORS
- MAIN DOOR
- ACCESS DOOR PADLOCKS
- SWITCHGEAR CABINET

GIRTZ

ALL TO BE AS SHOWN UNLESS OTHERWISE NOTED

SCALE: 1"=5'

DESCRIPTION: G3516C CAT LAF GAS SHIPPING

DATE: 03/08/2010

BY: LVC

REVISED BY: JMB

PAGE 3 OF 5

SEND TYP: N/A

PART NUMBER: CAT 10345 3516 SYN GAS - SHIPPING

WEIGHT (LBS): 15318.426

SURFACE AREA (SQFT): 2854.134

FIELD INSTALLATION AFTER UNIT IS SECURED TO THE PAD

- Connect high voltage cable and shore power as required.
- Remove GP1132-W1 shipping stands under the generator rail as shown on pg 3 and adjust isolators to approx 5.75" overall height.
Tighten all bolts
- Install exhaust stack using the bolts and gasket on the flower pot. Ports in exhaust stack should face towards the nose wall.
- Install the silencer and supports. Use bolts provided in the ship loose to bolt silencer supports to canopy rail and silencer to the extension ppe.
- Untape the exhasut flapper cap and make sure it opens freely.
- Install the exhaust wraps on the exhaust stack
- Install the O2 sensor into the open port on the exhaust stack.. Sensor is wire tied on the nose wall of the unit.
- Install the stainless steel lines from the canopy bulk head to the silencer. Connect like marked parts and use spring nuts and brackets to attach to the canopy. Also install sensor that is wire tied to the canopy.
- Install cameras on the canopy and connect wires.
- Install the (2) radiator louvers using supplied 3/8" SS hardware.
- Install the exterior yellow and red lights by man door.
- (Gas connection at exterior of unit).....Use hardware supplied with the shipping cover. Discard gasket behind shipping cover and use new 6" gasket in the ship loose. Use supplied regular or adaptor if unit is to be run on natural gas.

		<small>ALL DIMENSIONS DEPEND ON TOLERANCE BANDS AND ALL DIMENSIONS ARE AS SHOWN UNLESS OTHERWISE SHOWN</small>	
		<small>1.0 ± .032 1.03 ± .032 1.033 ± .015 ALL HOLES UNDER Ø 1.000 ± .030 FRACTIONAL DIM ± 1/16 ANGULAR DIM ± 1°</small>	
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<small>An asterisk (*) in the bill of material identifies a manually added item that will not auto-update in your revision</small>			
DESCRIPTION G3516C CAT LAF GAS SHIPPING			
MATERIAL SEE BOM			SCALE 1:30
DESIGN BY LVC	PAGE 4	OF 5	DATE 12/09/2010
DRAWN BY JMB	SEND TYPE N/A	CUSTOMER REV. 00	
PART NUMBER CAT 10345 3516 SYN GAS - SHIPPING			CUT OPERATION

WEIGHT (LBS): 15319.426

SURFACE AREA (SQFT): 2854.134

MISCELLANEOUS ITEMS

- RADIATOR LUBRICATION & MAINTENANCE SCHEDULE TO BE DETERMINED BY CUSTOMER
- GAS VALVE MAINTENANCE TO BE DETERMINED BY CUSTOMER
- CO2 & H2 CALIBRATION SCHEDULE TO BE DETERMINED BY CUSTOMER
- ALL OIL & FLUID SPECIFICATIONS PROVIDED BY CATERPILLAR
- GENERAL MAINTENANCE SCHEDULE PROVIDED BY CATERPILLAR

EMISSIONS EQUIPMENT

- EMISSIONS RACK & VALVE CABINET DESIGNED & SPECIFIED BY THE TECH CENTER. PLEASE CONSULT TECH CENTER FOR QUESTIONS. REFERENCE "SYNGAS 10345 RACK P&ID" FOR BASIC INFO.
- GECC2001 EXHAUST TEMPERATURE & PRESSURE PANEL PROVIDED BY GIRTZ

		<small>ALL GIRTZ DIMENSIONS UNLESS OTHERWISE SPECIFIED ARE IN INCHES AND UNLESS OTHERWISE SPECIFIED</small>	
		ALL TOLERANCES ARE AS BELOW UNLESS OTHERWISE SHOWN. 1.0 ± .000 1.00 ± .000 1.000 ± .015 ALL HOLES UNDER Ø 1.000 ± .003 FRACTIONAL DIM ± .116 ANG. LAR DIM ± 1°	
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<small>As per best "1" in the bill of material indicates a revision. Deleted field that will not auto-update a revised revision.</small>		 <small>Drawing area and projection, unless noted</small>	
DESCRIPTION: G3516C CAT LAF GAS SHIPPING			
MATERIAL:	SEE BOM	SCALE: 1:45	
DESIGN BY:	LVC	PAGE 5 OF 5	DATE 12/09/2010
DRAWN BY:	JMB	SEND TYPE: N/A	CUSTOMER REV: 00
PART NUMBER:	CAT 10345 3516 SYN GAS - SHIPPING		



ESO Number: FDCCP
Engine Serial #: GZC00214

Generator Set Specifications

<u>Engine</u>			<u>Generator</u>			<u>System</u>		
Engine Sales Model:	G3516		Package Serial No.	X		Test Date.	31-Oct-2010	12:56
Engine Size:			Serial Number:	AAR00690				
Fuel Type:	SI		Genset Arr:			Run No.:	5	
Engine Arr.:	3288998		Genset Model:	SR4B		Data ID:		
Dyno Test Spec:	0K7704		Frame Size:			Test Type:	OPERATIONS	
Rated Speed:	1500	RPM	Electrical Rating:	1555	KW	Pass/Fail:	PASSED	
Cooling System:	SCAC		Rated Frequency:	60	Hz	Test Cell:	526	
Aspiration Type:	TA		Rated Voltage:	480	Volts	Facility:		
			Rated P.F.:	0.80		P.L. Setting:		
			Tested:	Without Fan		Test Spec:		
						Procedure:		

Load Steps

<u>Static Test</u>					<u>Transient Test</u>					<u>Load Reject Test</u>				
<u>Step No</u>	<u>Load</u>	<u>Units</u>	<u>PF</u>	<u>Step Time (Min)</u>	<u>Step No</u>	<u>Initial</u>	<u>Final</u>	<u>Units</u>	<u>PF</u>	<u>Step No</u>	<u>Initial</u>	<u>Final</u>	<u>Units</u>	<u>PF</u>
1	1555	KW	0.80	1.00	1		156	KW	0.80					
					2		311	KW	0.80					
					3		467	KW	0.80					
					4		622	KW	0.80					
					5		778	KW	0.80					
					6		933	KW	0.80					
					7		1089	KW	0.80					
					8		1244	KW	0.80					
					9		1400	KW	0.80					
					10		1555	KW	0.80					



ESO Number: FDCCP
Engine Serial #: GZC00214

Test Tolerances

Static Steps

Line Voltage (+- %)
Avg Voltage (+- %)
Current (+- %)
Power Factor (+-)
Comment:

Full Load Point

Power (+ %)
Power (- %)
Speed (+- rpm)
Frequency (+- Hz)
Comment:

Transient Frequency

Overshoot (%)
Undershoot (%)
Recovery Band (+- %)
Recovery Time (sec)
Steady State Band (+- %)
Steady State Time (sec)
Comment:

Transient Voltage

Overshoot (%)
Undershoot (%)
Recovery Band (+- %)
Recovery Time (sec)
Steady State Band (+- %)
Steady State Time (sec)
Comment:

Load Reject

Frequency Band (+- %)
Voltage band (+- %)
Stability Interval (sec)
Evaluation interval (sec)
Comment:

High Idle Stability and No-Load Poi

Frequency band (+- %)
Evaluation interval (sec)
Min Speed (rpm)
Max Speed (rpm)
Comment:



Test Report

ESO Number: FDCCP
 Engine Serial #: GZC00214

Generator Serial #:	AAR00690	Fuel Type:	SI	Test Date:	31-Oct-2010 12:56
Dyno Test Spec:	OK7704	Cooling System:	SCAC	Pass/Fail:	PASSED
Engine Arr.:	3288998	Test Cell:	526	ECM Codes:	No
		Test Run No.:	5		
		Tested:	W/O Fan		

No Load	Amount from Nominal	Measured	Specification
High Idle Speed	0 RPM	1500 RPM	1500 RPM
Phase A Volts	-0.8 %	476 V	480 V
Phase B Volts	-0.7 %	476 V	480 V
Phase C Volts	-0.5 %	478 V	480 V
Test Voltage	-0.7 %	477 V	480 V

	Load		Voltage			Frequency Response				
	Nom	From Nom	Volt Rcvry	ST State	Volt Peak	Volt Valley	Freq Rcvry	ST State	Freq Peak	Freq Valley
	kW	%	s	s	%	%	s	s	%	%
0	0	0.0	0.0	0.0	16.8	3.2	0.0	12.3	21.3	1.3
1	156	-0.4	2.6	2.6	-0.5	5.8	1.6	2.2	0.4	2.9
2	311	0.5	6.4	6.4	-0.2	6.5	3.0	4.5	0.4	3.3
3	467	0.4	4.8	4.8	-0.6	6.7	2.3	3.2	0.4	3.3
4	622	0.5	3.2	3.2	-0.6	6.7	1.9	2.4	0.4	3.3
5	778	-0.2	3.8	3.8	-0.6	5.9	1.7	2.7	0.4	2.9
6	933	-0.3	2.5	2.5	-0.6	5.7	1.6	2.1	0.8	2.9
7	1089	-0.2	2.2	2.2	-0.6	5.1	0.0	1.7	1.3	2.5
8	1244	-0.2	2.0	2.0	-0.6	5.4	0.0	1.6	1.3	2.5
9	1400	-0.2	2.1	2.1	-0.6	4.6	0.0	1.6	0.4	2.5
10	1555	-1.0	1.8	1.8	-0.6	4.1	0.0	1.3	0.4	2.1



Transient Report

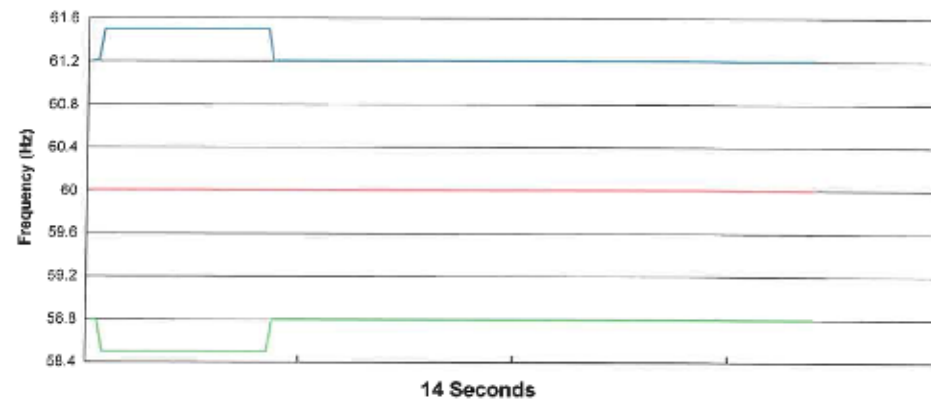
ESO Number: FDCCP

Engine Serial #: GZC00214

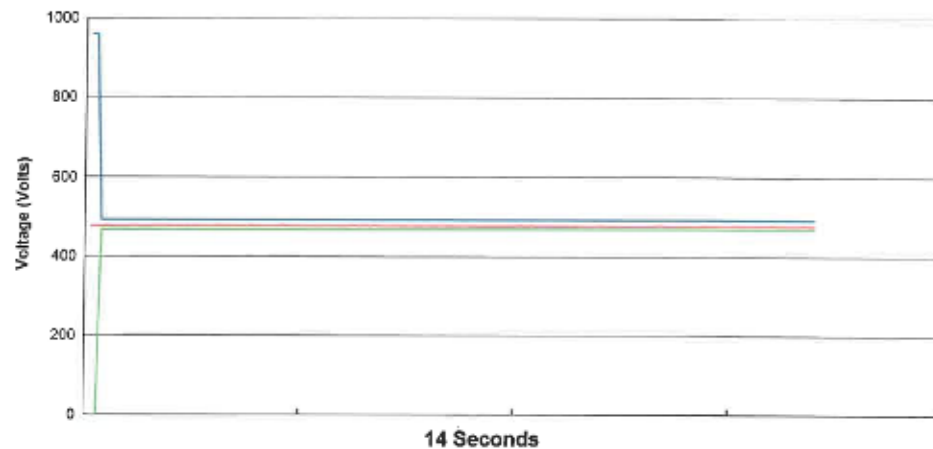
Generator Serial #:	AAR00690	Fuel Type:	SI	Sample Time:	29-Oct-2010 16:16
Engine Serial #:	GZC00214	Cooling System:	SCAC	Load Setting:	155.5 KW
Dyno Test Spec:	0K7704	Test Cell:	526	Test State:	Test Step # 1
Engine Arr.:	3288998	Test Run No.:	5	Step:	PASSED

Frequency Recovery:	1.6 Sec	Voltage Recovery:	2.6 Sec
Frequency Minimum:	58.25 Hz	Voltage Minimum:	452.00 Volts
Frequency Maximum:	60.25 Hz	Voltage Maximum:	477.50 Volts
Initial Load Percentage:	0.00 %	Transitional Load Pct.:	10.00 %

Frequency Response



Voltage Response





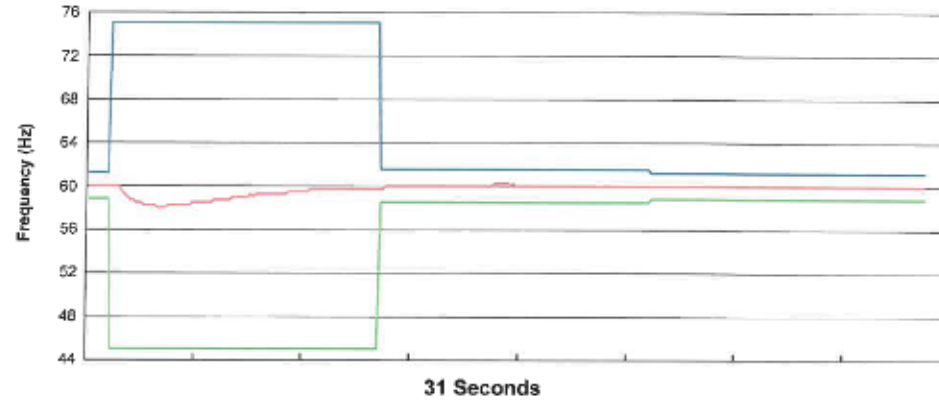
Transient Report

ESO Number: FDCCP
Engine Serial #: GZC00214

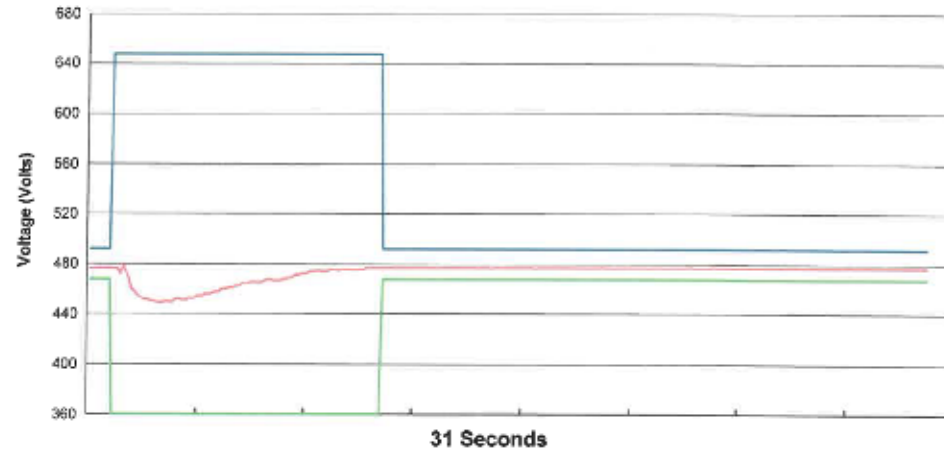
Generator Serial #:	AAR00890	Fuel Type:	SI	Sample Time:	29-Oct-2010 16:17
Engine Serial #:	GZC00214	Cooling System:	SCAC	Load Setting:	311.0 KW
Dyno Test Spec:	OK7704	Test Cell:	526	Test State:	Trnsnt Step # 2
Engine Arr.:	3288998	Test Run No.:	5	Step:	PASSED

Frequency Recovery:	3.0 Sec	Voltage Recovery:	6.4 Sec
Frequency Minimum:	58.00 Hz	Voltage Minimum:	448.75 Volts
Frequency Maximum:	60.25 Hz	Voltage Maximum:	479.25 Volts
Initial Load Percentage:	10.00 %	Transitional Load Pct.:	20.00 %

Frequency Response



Voltage Response





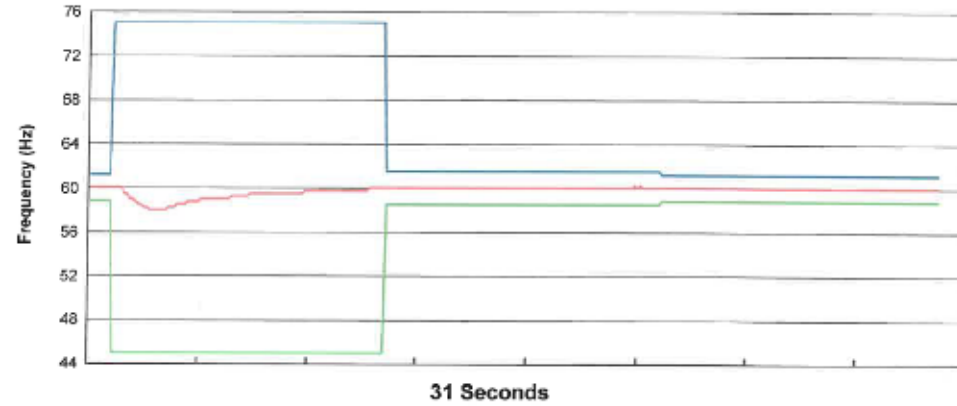
Transient Report

ESO Number: FDCCP
Engine Serial #: GZC00214

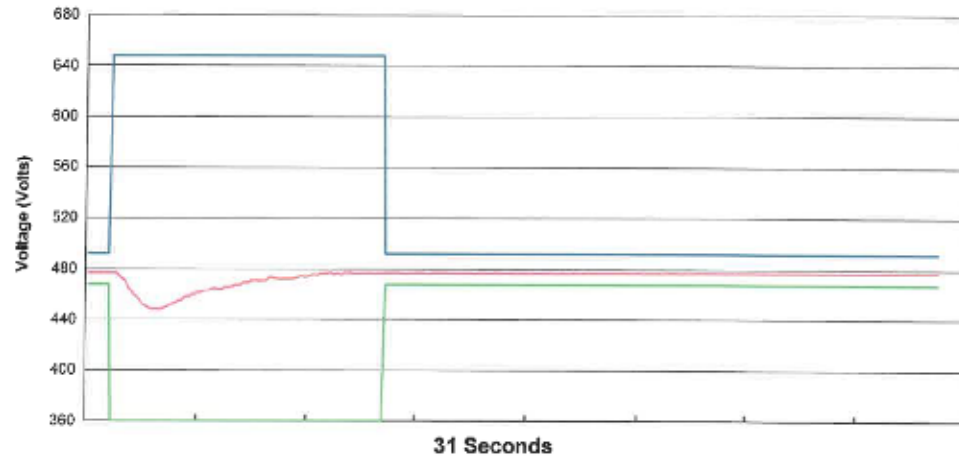
Generator Serial #:	AAR00690	Fuel Type:	SI	Sample Time:	29-Oct-2010 16:17
Engine Serial #:	GZC00214	Cooling System:	SCAC	Load Setting:	466.5 KW
Dyno Test Spec:	0K7704	Test Cell:	526	Test State:	Trnsnt Step # 3
Engine Arr.:	3288998	Test Run No.:	5	Step:	PASSED

Frequency Recovery:	2.3 Sec	Voltage Recovery:	4.8 Sec
Frequency Minimum:	58.00 Hz	Voltage Minimum:	447.75 Volts
Frequency Maximum:	60.25 Hz	Voltage Maximum:	477.25 Volts
Initial Load Percentage:	20.00 %	Transitional Load Pct.:	30.00 %

Frequency Response



Voltage Response





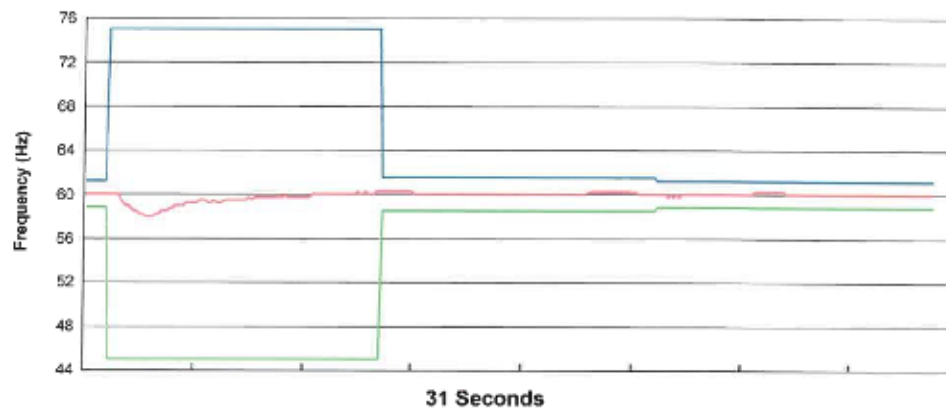
Transient Report

ESO Number: FDCCP
Engine Serial #: GZC00214

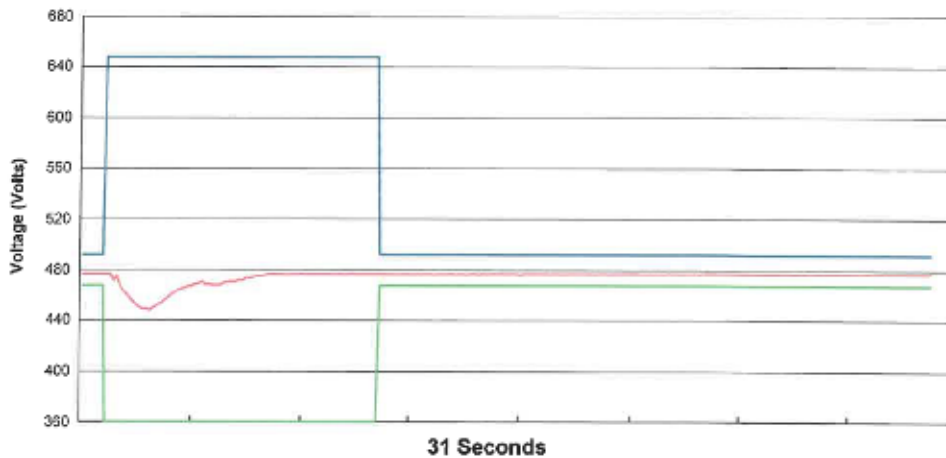
Generator Serial #:	AAR00690	Fuel Type:	SI	Sample Time:	28-Oct-2010 16:18
Engine Serial #:	GZC00214	Cooling System:	SCAC	Load Setting:	622.0 KW
Dyno Test Spec:	0K7704	Test Cell:	526	Test State:	Trnsnt Step # 4
Engine Arr.:	3288998	Test Run No.:	5	Step	PASSED

Frequency Recovery:	1.9 Sec	Voltage Recovery:	3.2 Sec
Frequency Minimum:	58.00 Hz	Voltage Minimum:	448.00 Volts
Frequency Maximum:	60.25 Hz	Voltage Maximum:	477.25 Volts
Initial Load Percentage:	30.00 %	Transitional Load Pct.:	40.00 %

Frequency Response



Voltage Response





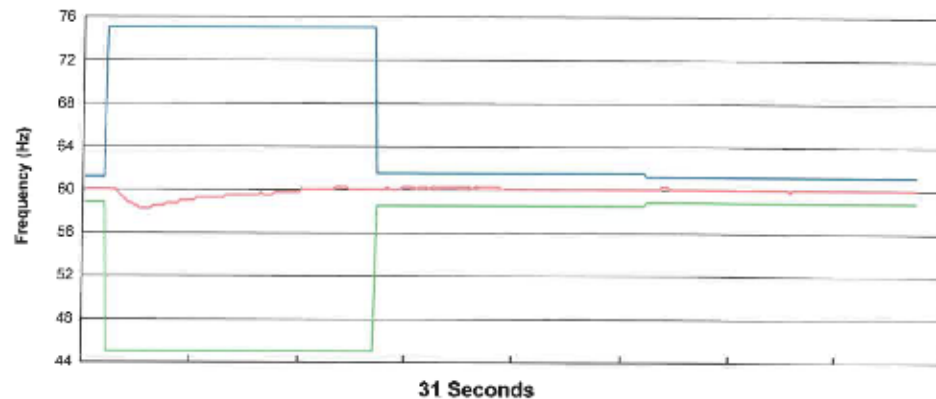
Transient Report

ESO Number: FDCCP
Engine Serial #: GZC00214

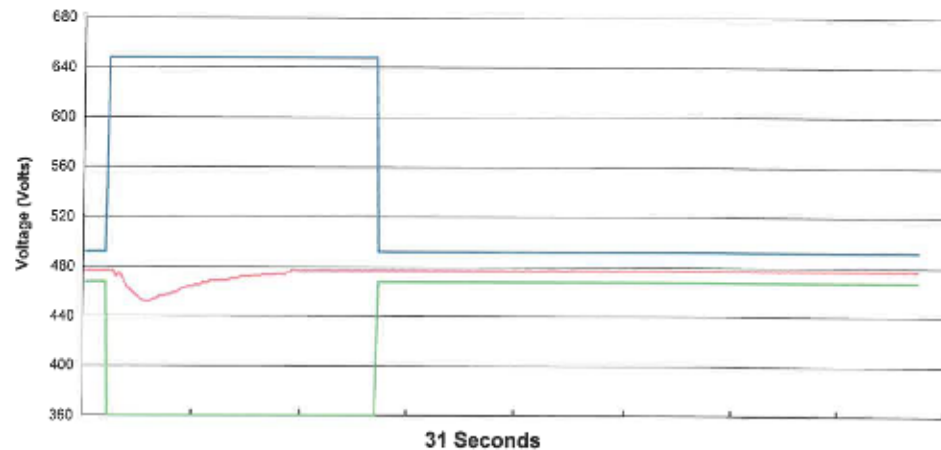
Generator Serial #:	AAR00690	Fuel Type:	SI	Sample Time:	29-Oct-2010 16:19
Engine Serial #:	GZC00214	Cooling System:	SCAC	Load Setting:	777.5 KW
Dyno Test Spec:	0K7704	Test Cell:	526	Test State:	Trnant Step # 5
Engine Arr.:	3288998	Test Run No.:	5	Step:	PASSED

Frequency Recovery:	1.7 Sec	Voltage Recovery:	3.8 Sec
Frequency Minimum:	58.25 Hz	Voltage Minimum:	451.75 Volts
Frequency Maximum:	60.25 Hz	Voltage Maximum:	477.25 Volts
Initial Load Percentage:	40.00 %	Transitional Load Pct.:	50.00 %

Frequency Response



Voltage Response





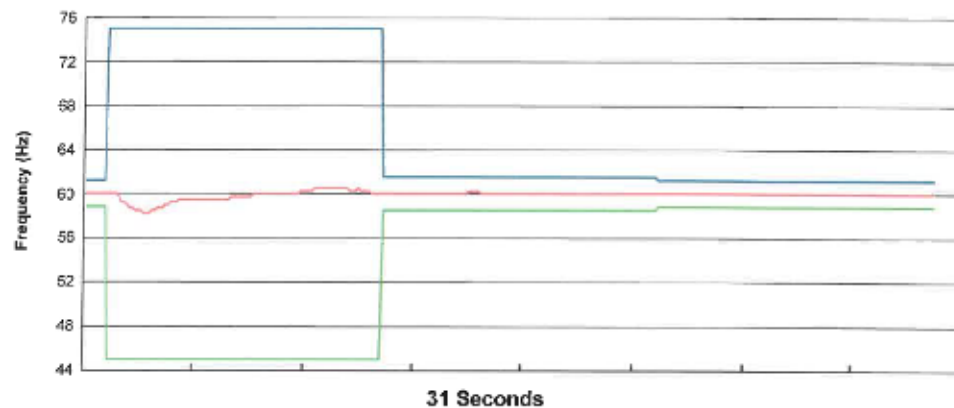
Transient Report

ESO Number: FDCCP
Engine Serial #: GZC00214

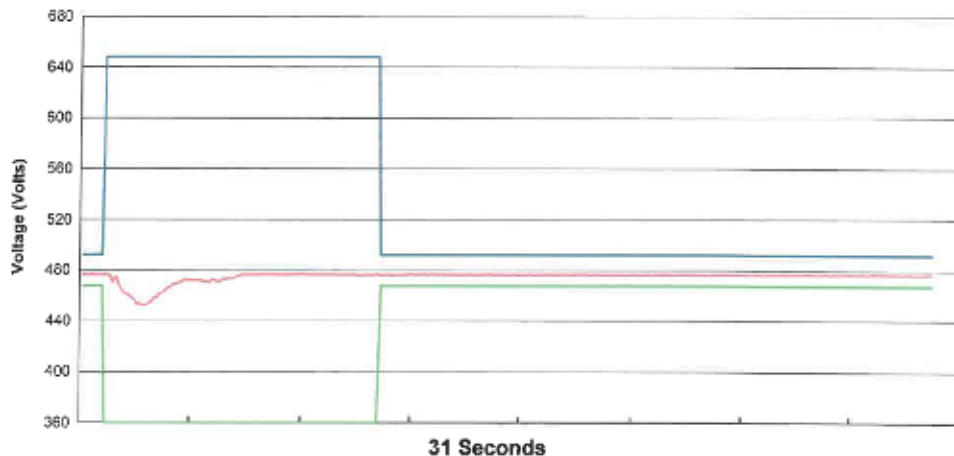
Generator Serial #:	AAR00690	Fuel Type:	SI	Sample Time:	29-Oct-2010 16:19
Engine Serial #:	GZC00214	Cooling System:	SCAC	Load Setting:	933.0 KW
Dyno Test Spec:	0K7704	Test Cell:	526	Test State:	Trnsnt Step # 6
Engine Arr.:	3288998	Test Run No.:	5	Step:	PASSED

Frequency Recovery:	1.6	Sec	Voltage Recovery:	2.5	Sec
Frequency Minimum:	58.25	Hz	Voltage Minimum:	452.50	Volts
Frequency Maximum:	60.50	Hz	Voltage Maximum:	477.25	Volts
Initial Load Percentage:	50.00	%	Transitional Load Pct.:	80.00	%

Frequency Response



Voltage Response





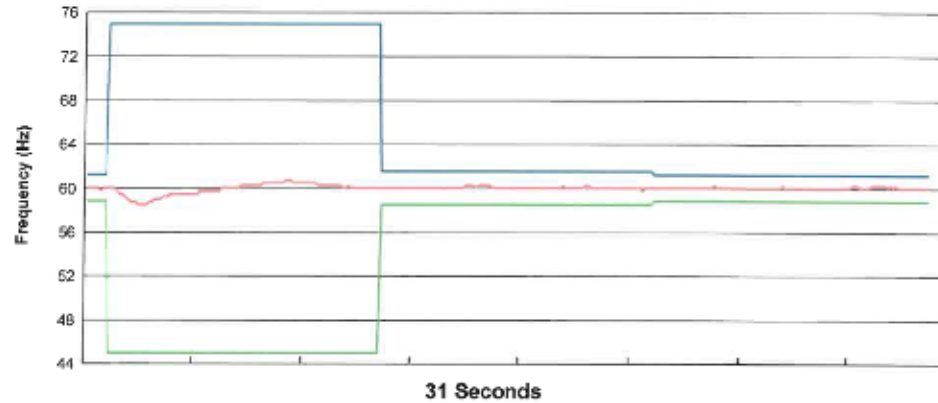
Transient Report

ESO Number: FDCCP
Engine Serial #: GZC00214

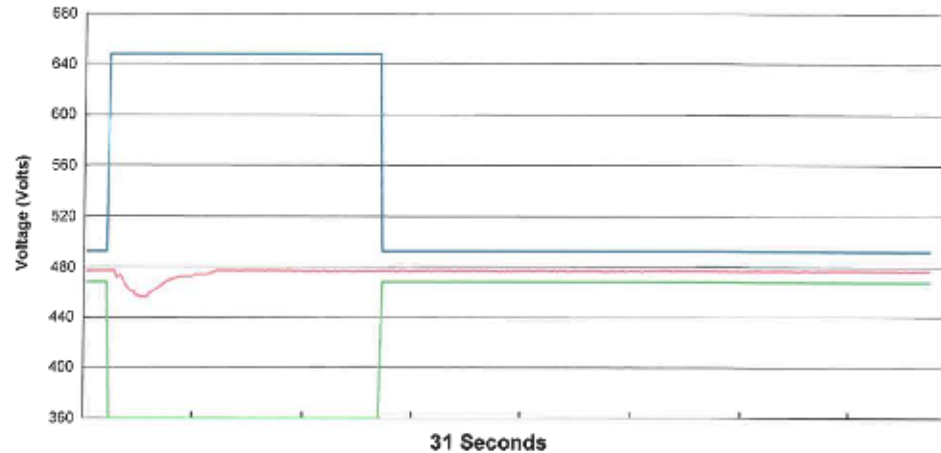
Generator Serial #:	AAR00690	Fuel Type:	SI	Sample Time:	29-Oct-2010 16:20
Engine Serial #:	GZC00214	Cooling System:	SCAC	Load Setting:	1088.5 KW
Dyno Test Spec:	0K7704	Test Cell:	526	Test State:	Trnsnt Step # 7
Engine Arr.:	3286998	Test Run No.:	5	Step:	PASSED

Frequency Recovery:	0.0	Sec	Voltage Recovery:	2.2	Sec
Frequency Minimum:	58.50	Hz	Voltage Minimum:	455.75	Volts
Frequency Maximum:	60.75	Hz	Voltage Maximum:	477.00	Volts
Initial Load Percentage:	60.00	%	Transitional Load Pct.:	70.00	%

Frequency Response



Voltage Response





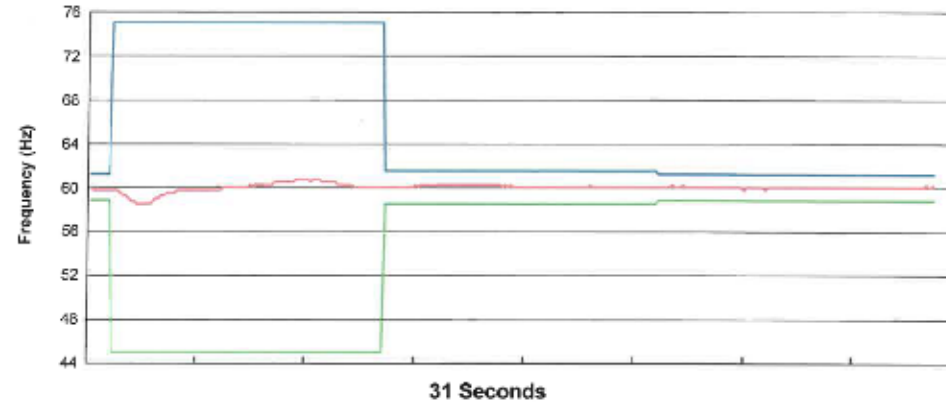
Transient Report

ESO Number: FDCCP
Engine Serial #: GZC00214

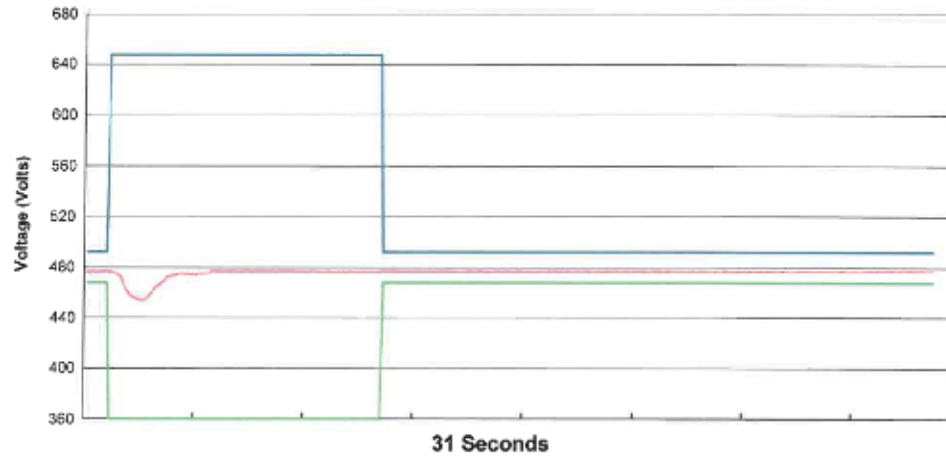
Generator Serial #:	AAR00690	Fuel Type:	SI	Sample Time:	29-Oct-2010 16:20
Engine Serial #:	GZC00214	Cooling System:	SCAC	Load Setting:	1244.0 KW
Dyno Test Spec:	OK7704	Test Cell:	526	Test State:	Trnsnt Step # 8
Engine Arr.:	3288998	Test Run No.:	5	Step:	PASSED

Frequency Recovery:	0.0	Sec	Voltage Recovery:	2.0	Sec
Frequency Minimum:	58.50	Hz	Voltage Minimum:	454.00	Volts
Frequency Maximum:	60.75	Hz	Voltage Maximum:	477.25	Volts
Initial Load Percentage:	70.00	%	Transitional Load Pct.:	80.00	%

Frequency Response



Voltage Response





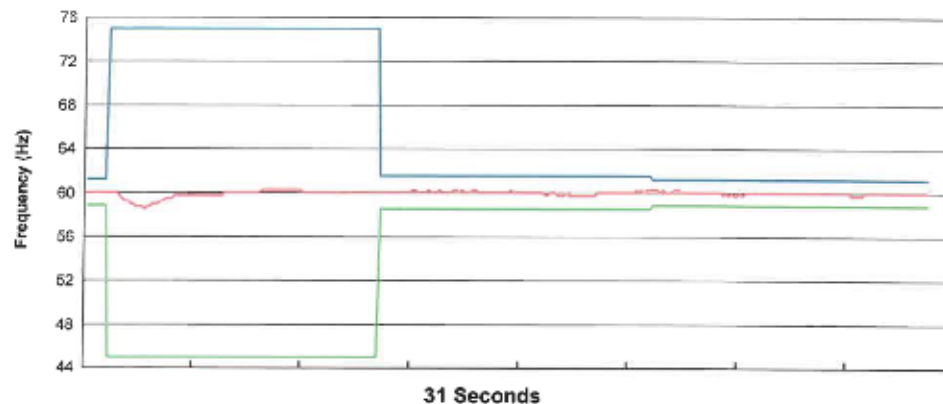
Transient Report

ESO Number: FDCCP
Engine Serial #: GZC00214

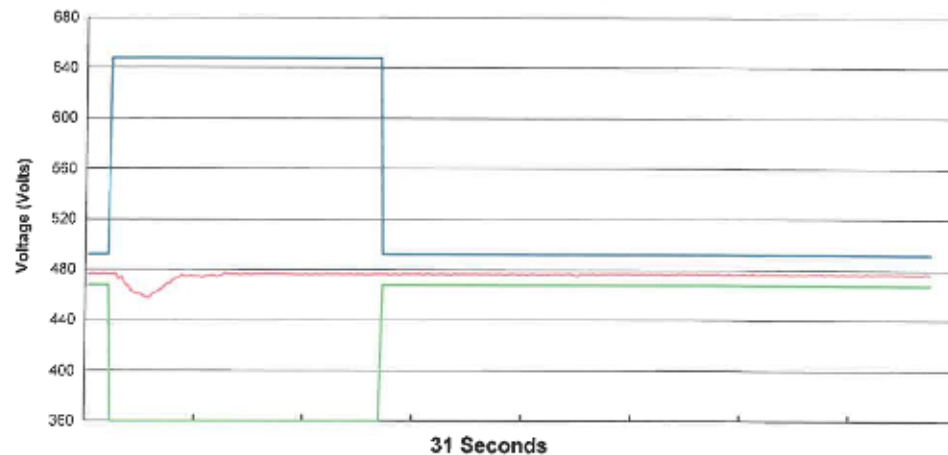
Generator Serial #:	AAR00690	Fuel Type:	SI	Sample Time:	29-Oct-2010 16:21
Engine Serial #:	GZC00214	Cooling System:	SCAC	Load Setting:	1399.5 KW
Dyno Test Spec:	0K7704	Test Cell:	526	Test State:	Trnsnt Step # 9
Engine Arr.:	3288998	Test Run No.:	5	Step:	PASSED

Frequency Recovery:	0.0	Sec	Voltage Recovery:	2.1	Sec
Frequency Minimum:	58.50	Hz	Voltage Minimum:	457.75	Volts
Frequency Maximum:	60.25	Hz	Voltage Maximum:	477.25	Volts
Initial Load Percentage:	80.00	%	Transitional Load Pct.:	90.00	%

Frequency Response



Voltage Response





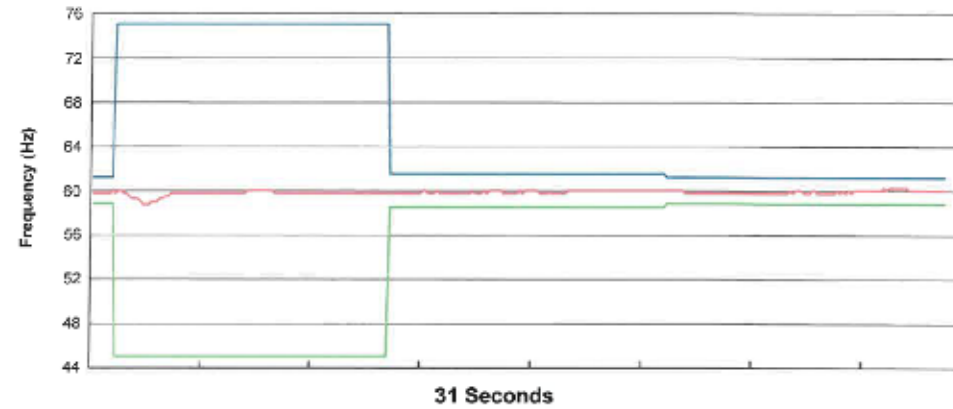
Transient Report

ESO Number: FDCCP
Engine Serial #: GZC00214

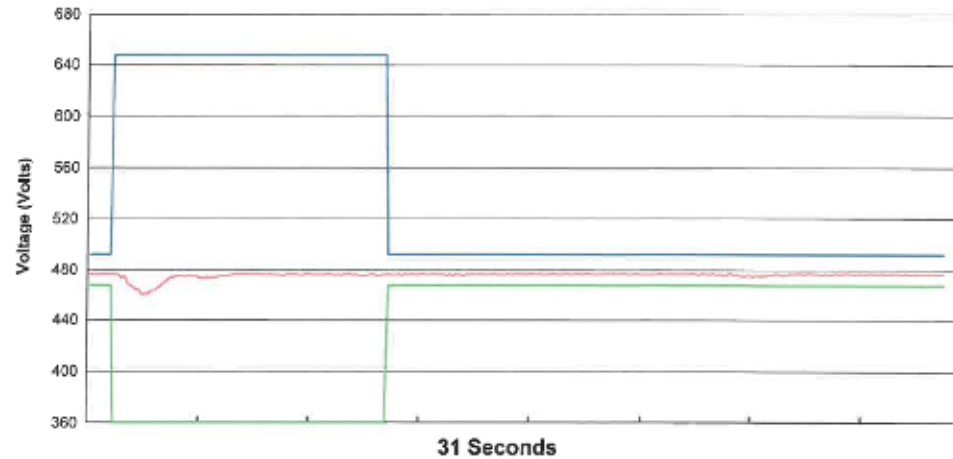
Generator Serial #:	AAR00690	Fuel Type:	SI	Sample Time:	29-Oct-2010 16:21
Engine Serial #:	GZC00214	Cooling System:	SCAC	Load Setting:	1555.0 KW
Dyno Test Spec:	OK7704	Test Cell:	526	Test State:	Trnsnt Step # 10
Engine Arr.:	3288998	Test Run No.:	5	Step:	PASSED

Frequency Recovery:	0.0	Sec	Voltage Recovery:	1.8	Sec
Frequency Minimum:	58.75	Hz	Voltage Minimum:	480.25	Volts
Frequency Maximum:	60.25	Hz	Voltage Maximum:	477.25	Volts
Initial Load Percentage:	90.00	%	Transitional Load Pct.:	100.00	%

Frequency Response



Voltage Response





ESO Number:

FDCCP

Engine Serial #:

GZC00214

DESCRIPTION	MANUFACTURER	Qty.	Serial #/Part #/Model #	GAT Warranty
Custom design for Caterpillar U55remat 23 project	Reaco, Inc.	1	N/A	No
Buhler EGK 2-19 Sample Gas Cooler, 115 VAC 50/60 HZ, Digital Temp. Display, Status Alarm Output, 2 Heat Exchanger Stainless Steel, 2 Peristaltic Pumps, 2 Filters, 2 Moisture Detectors	Reaco, Inc.	1	45211212210	No
Radiator assembly, stacked	IEA	1	HCD48B	No
Radiator assembly - 1 junction box w/FOA	IEA	1	n/a	No
Generator and engine	Lafayette Facility	1	Engine S/N - GZC00214; Generator S/N - AAR00890	Yes
Syn Gas IPM Project 2500A 100KAC UL Drawout Breaker (Subcontract)	Intelligent Switchgear	1	N/A	No
Lufkin single stage parallel shaft vertically arranged speed increaser with a gear rated power of 2378 HP from a multi-cylinder natural gas engine at 1500 RPM to a synchronous generator at 1800 RPM with an exact ratio of 1.2:1 ratio, min 1.7 AGMA SF and is sized in accordance with AGMA 6011	Lufkin Industries	1	N/A	Yes
G3516C NG Enclosure package - material	Girtz Industries, Inc.	1	n/a	No
Lambda 5220 Analyzer	Engine Control and Monitor	1	5220	No
G3516C NG Enclosure package - material	Girtz Industries, Inc.	1	n/a	No
G3516C NG Enclosure package - labor	Girtz Industries, Inc.	1	n/a	No
G3516C NG Enclosure Package	Girtz Industries, Inc.	1	G3516C NG	No
Material for G3516C NG Enclosure Package	Girtz Industries, Inc.	1	10345H-01B	No
Material for 10345H-01B - 3516 Syngas	Girtz Industries, Inc.	1	10345H-01B	No
G3516C NG Enclosure Package	Girtz Industries, Inc.	1	G3516C NG	No
Change orders	Girtz Industries, Inc.	1	n/a	N/A
Rack Analyzer	Reaco, Inc.	1	7MB2337.5AE10.1AJLZ	No
Cleaning Skid	APA	1	PGC-1000	No
Power Pole, Interconnect and Utility Relay	Westley County Electric S	1	N/A	No
Ceramic High Temp Filter System	Industrial Ceramics Solutio	1	N/A	No
Gas Analyzer	Atmospheric Recovery	1	N/A	No
Transformer	Cooper Power System	1	N/A	No
Recloser Switch	Cooper Power System	1	N/A	No
Scrubber Filter Housings	Ecologix Environmental S	1	N/A	No
Scrubber Internals - Distributor, Demist pad	GTC Technology	1	N/A	No
ICS System Butterfly Valves	Tri State Valves	1	N/A	No
Replacement Cat Valves	Tri State Valves	2	N/A	No
Miscellaneous Control Panel Parts for Upgraded Radiator	Stuart Irbly	1	Misc.	No
6" Fisher Control Valve	Applied Valves and Control	1	N/A	No
Radiator Upgrade Parts	APA	1	Misc.	No













