

	ACCESS		PUBLIC	XGDC-538730969-7411	
		X	INTERNAL		
			CONFIDENTIAL		
GENERATOR LOAD TEST REPORT		EFFECTIVE DATE Feb 2, 2024		ISSUE DATE Feb 2, 2024	VALIDITY DATE Feb 2, 2027

GENERATOR LOAD TEST REPORT											
Project No.	XG23-2890			Client							
Date	April 8/9 2024	Ambient Temp	6	(°C/F)		Altitude	(FT/M)		Humidity	60	%
Purchase Order No.						Engine Speed Rating	1800				
Project Description	Refurbish Package, Rewind Generator end to 600V, Service & Tune-up, Load Test					TXE Rep					
Load Test Duration	Final 4 hour Test					Fuel Gas Pressure	3.5		(PSI)		
Gas Meter ID	2206702	Start (1)	761481	End (1)	783888	Start (2)	783888	End (2)	861092		
PACKAGE DETAILS											
Make	Caterpillar XQ1250G			Engine	Natural Gas		Serial No.	CTW00235			
Model	3516B			Generator	Stamford S7L1D-C41		Serial No.	X22F253717			
Coupling	N/A			Gearbox	N/A		Serial No.	N/A			
Trailer	Hyundai			VIN	3H3C413S42T054060						
Battery Voltage	24			Hours Start	20238.7		Hours End	20251.4			
Pre-Start Checklist	<input type="checkbox"/> YES <input type="checkbox"/> NO			FLHA	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		Safety Inspection	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO			

Testing		Engine (°C/F)					Generator							
Time	Load Step (kW or %)	JW °	AC °	Oil °	Oil Press	Exh. °	Volts A	Volts B	Volts C	Amps A	Amps B	Amps C	Hz	kW
8:30	Warm Up	85	79	72	406	586								
9:30	75	87	62	88	422	586	598	602	598	88	90	87	60.02	90
9:41	175	86	68	91	410	597	597	606	598	88	90	87	60.02	190
9:50	275	87	71	92	403	601	596.4	605.8	590	287	285	286	60	290
9:57	375	87	75	93	400	607.7	595.8	605.2	589.4	383.3	382.1	382.8	60	393



Testing		Engine (°C/F)					Generator							
Time	Load Step (kW or %)	JW °	AC °	Oil °	Oil Press	Exh. °	Volts A	Volts B	Volts C	Amps A	Amps B	Amps C	Hz	kW
10:05	575	87	79	93	390	597.8	596.8	606.2	590.3	581.2	580.4	580.4	60	603
10:13	675	87	81	93	390	597.2	597.4	606.2	590.6	682.7	682.3	681.7	60	708
10:31	800	87	82	93	390	603	596.6	605.4	590.1	804.8	804.2	803.7	60	835
10:51	850	87	84	94	389	617	596.3	605.1	589.8	853.9	852.9	852.8	60	885
9:40	100	88	82	87	432	592	597.2	606.7	590.8	112.2	112.1	112	60	115
9:50	200	88	83	87	409	596	596.7	606.1	590.3	211.3	216.8	211.2	60.02	219
9:55	300	88	84	90	407	602	596.2	605.5	589.7	304.8	309.1	309.5	59.99	321
9:59	375	87	85	91	406	599	595.8	605.2	589.7	383.2	382.2	382.8	60.02	397
10:10	600	87	85	92	398	599	596.8	606.2	590.2	606.3	605.8	606.2	60.02	628
10:19	700	87	85	92	391	602	597.3	606.1	597.3	701	705.5	706.3	60	727
10:25	800	87	85	92	388	609	596.7	605.5	590.0	805.2	804.6	804.1	60.04	833
10:31	900	87	85	93	381	615	598	607.2	591.3	903.9	903.8	903.1	59.99	936
10:35	1000	87	85	93	382	617	597.5	606.3	590.5	1002	1001	1001	59.99	1037
10:40	1100	87	86	93	377	618	596.8	605.4	589.8	1100	1101	1100	59.5	1139
10:45	1200	87	89	93	377	599	596.7	605.2	590.0	1156	1156	1156	58	1197
11:25	1200	87	89	97	375	588	576	577	576	1146	1144	1150	56	1195

Notes Day 1 @ 850kW Light surge, shut down, adjusted fuel supply volume and pressure. Restarted and completed Load test day2.

Ran 10:45-11:25 full load, Act timing 24, Air fuel Act 16:1 @1200, All cylinders recording zero detonation, Average exhaust port temp 588, Turbine Inlet temp Left: 649, Right 657

After 11:25, rmoved load in steps to monitor cooldown values, this unit has successfully passed load testing.

Technician Name _____

Project Manager _____

Technician Signature _____

Supervisor Signature _____

