JOB #	ENG SERIAL#	CUSTOMER	J&R INDUSTRIAL ENGINE SERVICE	Form 082699-1
16870	GZA00221	N/A	GAS ENGINE LOAD TEST REPORT	

ENGINE MAKE	ENG. MODEL&COMP. RATIO	BHP (F.L.)	RPM (F.L.)	RPM (H.I.)	IGN. TYPE	IGN. TIMING	TURBO P/N	BOOST IN Hg
CATERPILLAR	G3520C 11.3 TO 1	2882	1800	1800	ADEM3 W/IN	28° BTDC	N/A	84.6 (ABS)

MAIN FUEL PRES.	TESTED BY	MECHANIC	SERVICE MANAGER	CUSTOMER WITNESS	HOURS START	HOURS END
45 PSI	RN	SHOP	SHOP	NO	1189	1197

TEST COMMENTS:

INSTALLED CUSTOMER SUPPLIED KILOWATT POWER SENSOR

INSTALLED 3500 TO 5 CURRENT TRANSFORMERS AND 5K POT FOR KILOWATT TRIM ADJUSTMENT

CLEANED ALL WIRING PLUG CONNECTIONS

CLEANED RATOR VALVE

EMISSIONS AT TEST TIME

AT FULL LOAD

O2 LEVEL WAS 9.54 %

NOX LEVEL WAS 292 PPM

CO LEVEL WAS 494 PPM

AMBIENT AIR TEMP 86°F

PER CAT GERP FOR AMBIENT AIR & FIELD ELEVATION THE ENGINE HAS A DERATE IN BHP TO 2815 HP AND 2034 EKW

SHOP COOLER IS UNDER SIZED FOR GENSET AT FULL LOAD

DATE	RUNNING HOURS		VOLTS	LINE AMPERES				kW	HZ	ENG TEMP °F	ENG OIL PSI	MANIFOLD INTAKE AIR TEMP. °F		IMAP PSI (ABS)		REGULATOR PRES. PSI		EXHAUST TEMP. °F	
	FROM	TO		L1	L2	L3	AVE							LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT
3/20/2022	1189	1192	479	1250	1252	1250	1251	1038	60	189°	67	118°	N/A	22.5	N/A	3	N/A	975°	980°
	1192	1194	479	1875	1877	1875	1876	1556	60	190°	65	122°	N/A	31.3	N/A	3	N/A	940°	945°
	1194	1195	479	2453	2455	2453	2454	2036	60	197°	62	126°	N/A	40.4	N/A	3	N/A	904°	904°
	1195	1196	479	1250	1252	1250	1251	1038	60	198°	60	124°	N/A	22.4	N/A	3	N/A	965°	970°
	1196	1197	479	2453	2455	2453	2454	2036	60	204°	60	130°	N/A	40.6	N/A	3	N/A	907°	907°