

1LS01415 ENVIRONMENTAL CROSSINGS

Emissions Certification

Serial Number	1LS01415
Arrgmt Number	1316596
Spec Number	2T8137
First Listed Certification	Nonroad - EPA, CARB, EU Cert
Has Engine Been Rerated?	No
Interlock Code Actual Progression	No Interlock Code Progression
As - Shipped Interlock Code	No Interlock Code
As - Shipped Flash File	No Flash File Found
As - Shipped Flash File CRB	No Flash File Found
As - Shipped CORR FL Power	459 HP (342.0 KW)
Build Date	2000-12-19

GEN SET PACKAGE PERFORMANCE DATA [1LS01415]

(1LS01415)-ENGINE (9CR02444)-GENERATOR

Performance Number: DM2326

Sales Model: 3406CDITA

Combustion: DI

Aspr: TA

Engine Power:

275 W/F EKW

285 W/O F EKW

Speed: 1,800 RPM

After Cooler: JWAC

412 HP

Manifold Type: DRY

Turbo Quantity: 1

Hertz: 60

Rating Type: PRIME

Governor Type: HYDRA

Engine App: GP

Engine Rating: PGS

Certification: EPA TIER-I 1996 - 2000

EU STAGE-1 1999 - 2001

After Cooler Temp(F): --

Turbo Arrangement:

Strategy:

Emissions Data:

RATED SPEED "Not to exceed data"

GEN PWR EKW	PERCENT LOAD	ENGINE POWER BHP	TOTAL NOX (AS NO2) LB/HR	TOTAL CO LB/HR	TOTAL HC LB/HR	PART MATTER LB/HR	OXYGEN IN EXHAUST PERCENT	DRY SMOKE OPACITY PERCENT	BOSCH SMOKE NUMBER
275.0	100	411	6.47	1.05	0.09	.110	10.30	0.6	1.28
206.3	75	310	5.16	0.80	0.07	.090	11.00	0.6	1.28
137.5	50	212	3.59	0.59	0.08	.070	12.10	0.7	1.28
68.8	25	116	1.88	0.47	0.10	.080	14.10	1.0	1.28
27.5	10	56	1.07	0.64	0.13	.100	16.20	1.5	1.28

GENERATOR WAS SOLD TO YOU ON 1/30/2001 BUT HAS NEVER BEEN PUT INTO SERVICE—NO DELIVERY DATE.

General Performance Data

GEN W/F EKW	PERCENT LOAD	ENGINE POWER BHP	ENGINE BMEP PSI	FUEL RATE LB/BHP- HR	FUEL RATE GPH	INTAKE MFLD TEMP DEG F	INTAKE MFLD P IN-HG	INTAKE AIR FLOW CFM	EXH MFLD TEMP DEG F	EXH STACK TEMP DEG F	EXH GAS FLOW CFM
275.0	100	411	202	0.341	20.0	188.4	39.6	886.4	1,171.8	941.0	2,436.7

247.5	90	370	182	0.341	18.0	183.7	33.6	815.8	1,129.1	917.8	2,210.7
220.0	80	330	162	0.343	16.2	181.0	28.3	752.2	1,087.3	894.9	2,002.3
206.3	75	310	153	0.344	15.2	180.0	25.8	720.4	1,066.5	883.4	1,899.9
192.5	70	290	143	0.346	14.3	178.9	23.5	688.6	1,045.8	871.9	1,804.6
165.0	60	251	124	0.351	12.6	177.1	19.0	628.6	1,004.7	848.7	1,613.9
137.5	50	212	104	0.360	10.9	175.5	14.9	575.6	952.2	808.2	1,430.2
110.0	40	175	86	0.373	9.3	174.2	11.3	526.2	889.5	758.3	1,260.7
82.5	30	136	67	0.394	7.7	173.1	8.0	483.8	815.2	700.3	1,094.8
68.8	25	116	57	0.412	6.8	172.6	6.5	462.6	772.9	668.3	1,013.5
55.0	20	96	47	0.437	6.0	172.4	5.2	445.0	725.5	635.4	946.4
27.5	10	56	27	0.547	4.4	172.0	3.1	416.7	618.8	563.5	822.8

EMISSIONS DATA

EPA TIER-1 1996 - 2000 ***** A3

Gaseous emissions data measurements are consistent with those described in EPA 40 CFR PART 89 SUBPART D and ISO 8178 for measuring HC, CO, PM, and NOx.

Gaseous emissions values are WEIGHTED CYCLE AVERAGES and are in compliance with the following non-road regulations:

LOCALITY	AGENCY/LEVEL	MAX LIMITS - g/kW-hr
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U.S. (incl Calif)	EPA/Tier-1	CO:11.4 HC:1.3 NOx:9.2 PM:0.54
Europe	EU/Stage-I	CO:5.0 HC:1.3 NOx:9.2 PM:0.54

EU STAGE-1 1999 - 2001 ***** A3

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EXHAUST STACK DIAMETER

5 IN

WET EXHAUST MASS

4,083.0 LB/HR

WET EXHAUST FLOW (941.00 F STACK TEMP)

2,439.89 CFM

WET EXHAUST FLOW RATE (32 DEG F AND 29.98 IN HG)

842.00 STD CFM

DRY EXHAUST FLOW RATE (32 DEG F AND 29.98 IN HG)

771.63 STD CFM

FUEL FLOW RATE

20 GAL/HR