

Sales Model: 3516  
 TMI Load Date: 21Oct1998  
 Built Date: 19Oct1998  
 Shipped Date: 20Nov1998  
 Plant: Lafayette

Tested Date: 21Oct1998  
 Cell Number: 510

Tested: B

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Test Element	Eng Updates	Test Value	Test Spec Value	Measure
Spec Number		0K1410	0K1410	
Arrangement Number		4P8346	4P8346	
CORR FL PWR		1,144	1,158	HP
Speed		1,200	1,200	RPM
CORR FL FUEL RATE		129,090.0	130,704.0	BTU/MIN
CSFC		6.803	6.856	BTU/HP-H
Jacket Water Temp		190	192	F
IN SCAC H2O		129	129	F
Compressor Out Pressure		35.53	35.24	PSIA
Inlet Manifold Pressure		31.91	32.05	PSIA
Excess Oxygen		9.0	8.8	%
NOx Level		310	310	PPM
FL Oil Press		59	61	PSI
High Speed		1,201	1,200	RPM
Diff Fuel Pressure High		0.22	0.17	PSI
Low Idle Speed		896	900	RPM
Low Idle Oil Pressure		59	59	PSI
Fuel Pressure		17		PSIA
Timing BTDC			25.00	DEG

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	Value	Unit
Advertised Power	1,144	HP
Advertised Speed	1,200	RPM

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Reference Number: OK1410  
 Effective Serial Number: [4EK00001 v]  
 Model: G3516 SI TA SCAC

Make from Spec:

Description	Test Spec Data		Measure	Nominal	Ceiling	Floor
Corr Full Load Power			hp	1,158	1,178	1,138
Full Load Speed			RPM	1200	1210	1190
High Idle Speed			RPM	1200	1210	1190
Low Idle Speed			RPM	900	930	870
Corrected Fuel Rate			BTU/MIN	130,704	137,244	124,174
CSFC			BTU/HP.H	6,856	7,130	6,582
Corr Torq Rise at TC RPM			%	1.0	2.0	
Corr Torque at TC RPM			LB.FT	5,055	5,106	5,005
Torque Check Speed			RPM	1100	1110	1090
C Fuel Rate at TC RPM			BTU/MIN			
CSFC at TC RPM			BTU/HP.H			
Temp Jacket Water Pump Inlet			F	192	197	186
Delta T Jacket Water (out-in)			F	5	10	
Inlet Manifold Temp			F			
Water Temp to Scac			F	129	134	123
Scac Water Flow			GAL/MIN			
Diff Fuel Pressure			SI PSI	0.20	0.28	0.06
Diff Fuel Pressure (High)			SI PSI	0.17	0.26	0.17
Compressor Out Press			SI PSI	35.24	36.26	34.23
Inlet Manifold PR - ABS			SI PSI	32.05	32.49	31.62
Inlet Fuel Pr - ABS			SI PSI	18	21	14
Excess Oxygen			SI %	8.8	9.3	8.3
Oil Pressure			PSI	61	87	40
Oil Pressure Low Idle			PSI	59	87	15
Oil Temp to Bearings			F			
Throttle Angle			DEG	55	60	55
NOx			PPM	310	320	300
Adjusted Boost (Gas Blending)			HG			
Corrected Fuel Rate - Diesel (Gas Blending)			GAL/HR			
Corrected Fuel Rate - Gas (Gas Blending)			BTU/MIN			
Full Load Fueling (Gas Blending)			MM3/ST			
Gas Substitution Ratio (Gas Blending)			%			
Corr Full Load Power (Gas Blending)			HP			
Full Load Speed (Gas Blending)			RPM			
Exhaust Back Pressure			PSI			
TQ CK Exhaust Back Pressure			PSI			
Ataac Delta Pressure			PSI			

Description	Engine Reference Information		Measure	Data
Fuel Valve Part Number				
Unit Injector Part Number				
Timing Dimension Field Service		in		
Timing Dimension Factory				
Torque Control Group Number				Change Level:
Fuel Pump/Gov Grp Part Number				SI
Fuel Pump Type				1214666 / UTW8329-1.37VTF
Flyweight Part Number/Attitude				
Turbo Part No and Model				
Advertised Power / Governor Speed			1,144hp	1,200 RPM
Compression Ratio			11.0	
Torque Rise Cam Part Number				
Manifold Type				AWC
Engine Flash File Part Number				
Rating Number				
Flash File Change Number				
ASM Flash File Part Number				
ISM Flash File Part Number				
Advisor Flash File Part Number				
Secondary Module Flash File Part Number				
Messenger Flash File Part Number				
Tandem Software Flash File Part Number				
Governor Type				WDWRD

Description	Timing Data		Measure	Spec	Minimum	Maximum
Timing Static @ 0 RPM BTDC		DEG	25.0	23.0	27.0	

Description	Application/Performance Data		Measure	Data
Application Identification				261 GS CONTINUOUS
Engine Sales Model and Series				G3516
Combustion System type				SI
Aspiration Type				TA
Engine Source Factory Ref Number				88
Power Setting PL/PP Ref Number				LL9141
Engine Perf Data Ref No and Change Level				
Generator Rating W/O Fan		EKW	815	
Generator		HZ	60	
Engineering Model Ref				E397
Sales Model				
Machine Facility				
Usage				
Transmission				
Description				GS
Serial Number Prefixs				

		Altitude Derating Information		
Description		Measure	Data	
Altitude - Maximum		FT	492	
Engine Power (ADV)		hp		
Engine Power (Test)		hp	1,144	

		Spec Number vs. Arrangement Number Cross Reference	
Arrangement	4P8346		

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