

Reference Number: 0K1450

Effective Serial Number:

Model: G3516 SI TA SCAC

Make from Spec:

Test Spec Data				
Description	Measure	Nominal	Ceiling	Floor
Corr Full Load Power	KW	1,086.0	1,102.0	1,064.0
Full Load Speed	RPM	1500	1510	1490
High Idle Speed	RPM	1500	1510	1490
Low Idle Speed	RPM	1000	1030	970
Corrected Fuel Rate	KJ/MIN	174,460	181,440	167,480
CSFC	KJ/KW.H	9,783.9	10,175.3	9,392.5
Corr Torq Rise at TC RPM	%	1.0	2.0	
Corr Torque at TC RPM	N.M	6,880	7,289	6,335
Torque Check Speed	RPM	1400	1410	1390
C Fuel Rate at TC RPM	KJ/MIN			
CSFC at TC RPM	KJ/KW.H			
Temp Jacket Water Pump Inlet	C	89	92	86
Delta T Jacket Water (out-in)	C	6	11	
Inlet Manifold Temp	C			
Water Temp to Scac	C	32	35	29
Scac Water Flow	L/MIN			
Diff Fuel Pressure	SI KPA			
Diff Fuel Pressure (High)	SI KPA		0.1	-0.1
Compressor Out Press	SI KPA	265.0	272.0	258.0
Inlet Manifold PR - ABS	SI KPA	231.0	234.0	228.0
Inlet Fuel Pr - ABS	SI KPA	121	147	95
Excess Oxygen	SI %	9.9	10.4	9.4
Oil Pressure	KPA	405	600	275
Oil Pressure Low Idle	KPA	400	600	100
Oil Temp to Bearings	C			
Throttle Angle	DEG	60	65	60
NOx	PPM	170	180	160
Adjusted Boost (Gas Blending)	KPA			
Corrected Fuel Rate - Diesel (Gas Blending)	G/MIN			
Corrected Fuel Rate - Gas (Gas Blending)	KJ/MIN			
Full Load Fueling (Gas Blending)	MM3/ST			
Gas Substitution Ratio (Gas Blending)	%			
Corr Full Load Power (Gas Blending)	KW			
Full Load Speed (Gas Blending)	RPM			
Exhaust Back Pressure	KPA			
TQ CK Exhaust Back Pressure	KPA			
Ataac Delta Pressure	KPA			

Engine Reference Information		
Description	Measure	Data
Fuel Valve Part Number		
Unit Injector Part Number		
Timing Dimension Field Service	mm	
Timing Dimension Factory		

### Engine Reference Information

Description	Measure	Data
Torque Control Group Number		Change Level:
Fuel Pump/Gov Grp Part Number		
Fuel Pump Type		SI
Flyweight Part Number/Attitude		
Turbo Part No and Model		1236476 / TL9211-1.70
Advertised Power / Governor Speed		1,070.0kW 1,500 RPM
Compression Ratio		12.0
Torque Rise Cam Part Number		
Manifold Type		DRY
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

### Timing Data

**Mechanical Advance Part Number:**

**Chg. Level:**

**Advance: 0.0 DEG**

**Dog Leg Differentials: RPM: -- KW: --**

Description	Measure	Spec	Minimum	Maximum
Timing Static @ 0 RPM BTDC	DEG	24.0	22.0	26.0

### Application/Performance Data

Description	Measure	Data
Application Identification		226 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		LL0169
Engine Perf Data Ref No and Change Level		
Generator Rating W/O Fan	EKW	1030
Generator	HZ	50
Engineering Model Ref		E397
Sales Model		
Machine Facility		
Usage		
Transmission		
Description		GS
Serial Number Prefixes		

**Altitude Derating Information**

Description	Measure	Data
Altitude - Maximum	M	1,150
Engine Power (ADV)	kW	
Engine Power (Test)	kW	1,070

**Spec Number vs.  
Arrangement Number Cross Reference**

Arrangement	1176698
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