

Help

Reference Number: 4369281

Effective Serial Number:

SP300001

Model: G3516C SI TA SCAC

Make from Spec:

Test Spec Data				
Description	Measure	Nominal	Ceiling	Floor
Corr Full Load Power	kW	1,622.0	1,670.7	1,613.8
Full Load Speed	RPM	1800	1810	1790
High Idle Speed	RPM	1800	1820	1780
Low Idle Speed	RPM	1200	1230	1170
Corrected Fuel Rate	KJ/MIN	264,390	274,960	253,810
CSFC	KJ/KW.H	9,780.0	10,024.5	9,535.5
Corr Torq Rise at TC RPM	%		7.0	
Corr Torque at TC RPM	N.M	8,604	9,207	8,001
Torque Check Speed	RPM	1800	1810	1790
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	7	10	4
Inlet Manifold Temp	C			
Water Temp to Scac	C	54	57	51
Scac Water Flow	L/MIN			
Diff Fuel Pressure	SI KPA			
Diff Fuel Pressure (High)	SI KPA			
Compressor Out Press	SI KPA	344.0	365.0	323.0
Inlet Manifold PR - ABS	SI KPA	285.0	288.0	282.0
Inlet Fuel Pr - ABS	SI KPA	121	131	111
Excess Oxygen	SI %	10.0	10.5	9.5
Oil Pressure	KPA	364	477	353
Oil Pressure Low Idle	KPA	400	500	300
Oil Temp to Bearings	C			
Throttle Angle	DEG			
NOx	PPM	80	110	50
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	

Engine Reference Information

Description	Measure	Data
Timing Dimension Factory		
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		2540786 / TPC47CA17TA70
Advertised Power / Governor Speed	1,622.0kW	1,800 RPM
Compression Ratio	11.3	
Torque Rise Cam Part Number		
Manifold Type	DRY	
Engine Flash File Part Number	4580819	
Rating Number		
Flash File Change Number	01	
ASM Flash File Part Number	3227250	
ISM Flash File Part Number	2841187	
Advisor Flash File Part Number		
Secondary Module Flash File Part Number		
Messenger Flash File Part Number		
Tandem Software Flash File Part Number		
Governor Type	ADEM3	

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	28.0	26.0	30.0

Application/Performance Data

Description	Measure	Data
Application Identification		225 GS CONTINUOUS
Engine Sales Model and Series		G3516 C
Combustion System type	SI	
Aspiration Type	TA	
Engine Source Factory Ref Number	88	
Power Setting PL/PP Ref Number	GG9232	
Engine Perf Data Ref No and Change Level		
Generator Rating W/O Fan	EKW	1555
Generator	HZ	60
Engineering Model Ref		GS855
Sales Model		
Machine Facility		
Usage		
Transmission		
Description		GS
Serial Number Prefixs		

Altitude Derating Information			
Description		Measure	Data
Altitude - Maximum		M	
Engine Power (ADV)		kW	
Engine Power (Test)		kW	

Spec Number vs. Arrangement Number Cross Reference	
Arrangement	4452397

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