

Reference Number: 0K3380

Effective Serial Number:

4CG00219 ▾

Model: G3616 SI TA SCAC

Make from Spec:

Test Spec Data				
Description	Measure	Nominal	Ceiling	Floor
Corr Full Load Power	kW	3,807.0	3,921.3	3,692.7
Full Load Speed	RPM	1000	1010	990
High Idle Speed	RPM	1000	1010	990
Low Idle Speed	RPM	1000	1010	990
Corrected Fuel Rate	KJ/MIN	558,360	586,280	530,440
CSFC	KJ/KW.H	8,800.0	9,020.0	8,536.0
Corr Torq Rise at TC RPM	%			
Corr Torque at TC RPM	N.M			
Torque Check Speed	RPM			
C Fuel Rate at TC RPM	KJ/MIN			
CSFC at TC RPM	KJ/KW.H			
Temp Jacket Water Pump Inlet	C	94	97	91
Delta T Jacket Water (out-in)	C	5	10	
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			
Compressor Out Press	SI KPA			
Inlet Manifold PR - ABS	SI KPA	246.0	253.0	239.0
Inlet Fuel Pr - ABS	SI KPA	410	547	273
Excess Oxygen	SI %			
Oil Pressure	KPA	477	600	275
Oil Pressure Low Idle	KPA	477	600	235
Oil Temp to Bearings	C	86		
Throttle Angle	DEG			
NOx	PPM	70	85	55
Adjusted Boost (Gas Blending)	KPA			

Test Spec Data

Description	Measure	Nominal	Ceiling	Floor
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		
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		1115720 / VG17HF10WG08EF18
Advertised Power / Governor Speed	3,788.0kW	1,000 RPM
Compression Ratio	10.5	
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	HYDRA	

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	19.9	17.9	21.9

Application/Performance Data

Description	Measure	Data
Application Identification		206 GS CONTINUOUS
Engine Sales Model and Series		G3616
Combustion System type		SI
Aspiration Type		TA
Engine Source Factory Ref Number		88
Generator Rating W/O Fan	EKW	3700
Generator	HZ	50
Engineering Model Ref		E341
Sales Model		
Machine Facility		
Usage		
Transmission		
Description		GS
Serial Number Prefixs		

Altitude Derating Information

Description	Measure	Data
Altitude - Maximum	M	750
Engine Power (ADV)	kW	
Engine Power (Test)	kW	3,788

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

Arrangement

7C4116

Caterpillar Confidential: **Green**

Content Owner: Commercial Processes Division

Web Master(s): PSG Web Based Systems Support (http://tmiwebclassic.cat.com/tmi/tmihome/PSGIS_support.htm)

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