TEST SPEC [7E7016]

JULY 10, 2020

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Reference Number: 0K8359
Effective Serial Number: 1PD00818
Model: 3616 DI TA SCAC **Make from Spec:**

Test Spec Data

Description	Measure	Nominal	Ceiling	Floor
Corr Full Load Power	kW	5,897.0	6,074.0	5,897.0
Full Load Speed	RPM	1000	1010	990
Governor Setting Speed	RPM	1010	1015	1005
High Idle Speed	RPM	1010	1070	950
Low Idle Speed	RPM	350	360	340
FL Static Fuel Setting	mm	8.950		
FT Static Fuel Setting	mm	8.950		
Corrected Fuel Rate	G/MIN	20,180.0	20,260.0	17,600.0
CSFC	G/KW.H	202.0	212.1	190.8
Adjusted Boost	KPA	330.0	379.5	280.5
Torque Check Speed	RPM	930	940	920
Corr Torq Rise at TC RPM	%	3.0		
Corr Torque at TC RPM	N.M	59,790	63,970	55,600
C Fuel Rate at TC RPM	G/MIN	18,170.0	19,440.0	16,900.0
CSFC at TC RPM	G/KW.H	194.0	203.7	183.3
ADJ Boost at TC RPM	KPA	270.0	310.5	229.5
Power Loss/Cyl	% C FL PWR			
Specific Blowby	L/KW.H			
Temp Jacket Water Pump Inlet	C	87	91	83
Delta T Jacket Water (out-in)	C	6	11	1
Inlet Manifold Temp	C			

Test Spec Data

Description	Measure	Nominal	Ceiling	Floor
Water Temp to Scac	C	58	61	55
Scac Water Flow	L/MIN			
Oil Pressure	KPA	450	600	344
Oil Pressure Low Idle	KPA	210	600	142
Fuel Pressure	KPA	600	800	400
Inlet Fuel Pressure	KPA		40	1
Inlet Fuel Temp	C	30	33	27
Inlet Air Pressure	KPA		104	87
Inlet Air Restriction	KPA		4.00	
Inlet Air Temperature	C		50	10
Fuel Density	DEG API		36.0	34.0
Boost Constant				
Governor Setting Constant				
Governor Setting Torque	% RTD TRQ	90.0	91.0	89.0
High Idle Stability	RPM			
Low Idle Stability	RPM			
Set Point RPM	RPM	1020	1030	1010
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
FL Static/FT Static Fuel Settings	mm	8.95 / 8.95
Fuel Valve Part Number		
Unit Injector Part Number		4188820
Timing Dimension Field Service	mm	120.24
Timing Dimension Factory		
Torque Control Group Number		Change Level:
Fuel Pump/Gov Grp Part Number		
Fuel Pump Type		UI
Flyweight Part Number/Attitude		
Turbo Part No and Model		2848278 / NA2974GS81B143M
Advertised Power / Governor Speed		5,361.0kW 1,000 RPM
Compression Ratio		13.0
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		2301A

Torque Control Group Spring Data

Part No	Thickness	Quantity
No data available in table		

Torque Control Group Spacer Data		
Part No	**Thickness**	**Quantity**
No data available in table		

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	14.0		

Application/Performance Data		
Description	**Measure**	**Data**
Application Identification		202 GS STANDBY
Engine Sales Model and Series		3616
Combustion System type		DI
Aspiration Type		TA
Engine Source Factory Ref Number		88
Multi Engine Torq/Rating		
Emissions Family		
Generator Rating W/O Fan	EKW	
Generator	HZ	50
Brakesaver test		
Certified Engine Rating	kW	
Engineering Model Ref		E298
Low Idle In-Veh Speed	RPM	
Sales Model		
Machine Facility		
Usage		
Transmission		

Application/Performance Data

Description	Measure	Data
Description		GS
Serial Number Prefixs		

Altitude Derating Information

Description	Measure	Data
Altitude - Maximum	M	200
Engine Power (ADV)	kW	
Engine Power (Test)	kW	5,797
High Idle Speed	RPM	
FL Static Fuel Setting	mm	8.95
FT Static Fuel Setting	mm	8.95
Corrected Fuel Rate	G/MIN	20,180.0
FL Boost Pressure	KPA	330.0

Spec Number vs. Arrangement Number Cross Reference

Arrangement	7E7016

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