

TEST SPEC [S2Z00369]

(S2Z00369)-ENGINE (9XZ00745)-GENERATOR

AUGUST 27, 2019For Help Desk Phone Numbers [Click here](#)

Reference Number: 0K7025

Effective Serial Number: S2Z00366 ▼

Model: 3516B DI TA SCAC

Make from Spec:

Test Spec Data				
Description	Measure	Nominal	Ceiling	Floor
Corr Full Load Power	kW	1,765.0	1,818.0	1,712.0
Full Load Speed	RPM	1200	1210	1190
Governor Setting Speed	RPM			
High Idle Speed	RPM	1212	1224	1200
Low Idle Speed	RPM	900	910	890
FL Static Fuel Setting	mm	32.900		
FT Static Fuel Setting	mm	32.900		
Corrected Fuel Rate	G/MIN	6,280.0	6,720.0	5,840.0
CSFC	G/KW.H	213.5	224.2	201.7
Adjusted Boost	KPA	264.0	303.6	224.4
Torque Check Speed	RPM	1100	1110	1090
Corr Torq Rise at TC RPM	%	9.4		
Corr Torque at TC RPM	N.M	15,370	16,450	14,290
C Fuel Rate at TC RPM	G/MIN	6,136.0	6,566.0	5,706.0
CSFC at TC RPM	G/KW.H	208.0	218.4	196.5
ADJ Boost at TC RPM	KPA	267.0	294.4	217.6
Power Loss/Cyl	% C FL PWR			
Specific Blowby	L/KW.H			
Temp Jacket Water Pump Inlet	C	89	92	84
Delta T Jacket Water (out-in)	C	7	12	2
Inlet Manifold Temp	C			
Water Temp to Scac	C	30	33	27
Scac Water Flow	L/MIN			
Oil Pressure	KPA	449	600	327
Oil Pressure Low Idle	KPA	411	600	269
Fuel Pressure	KPA	464	604	302
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		91.0	89.0
High Idle Stability	RPM			
Low Idle Stability	RPM			
Set Point RPM	RPM	1220	1230	1210
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	32.90 / 32.90
Fuel Valve Part Number		
Unit Injector Part Number		2501301
Timing Dimension Field Service	mm	64.34
Timing Dimension Factory		
Torque Control Group Number		Change Level:

Fuel Pump/Gov Grp Part Number		
Fuel Pump Type		EUI
Flyweight Part Number/Attitude		
Turbo Part No and Model		2994614 / GT604104BL-1.70
Advertised Power / Governor Speed		1,603.0kW 1,200 RPM
Compression Ratio		15.5
Torque Rise Cam Part Number		
Manifold Type		DRY
Engine Flash File Part Number		3165266
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		ADEM3

Torque Control Group Spring Data		
Part No	Thickness	Quantity
No data found...		

Torque Control Group Spacer Data		
Part No	Thickness	Quantity
No data found...		

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			

Application/Performance Data		
Description	Measure	Data
Application Identification		603 OF PUMP/DRILL
Engine Sales Model and Series		3516 B
Combustion System type		DI
Aspiration Type		TA
Engine Source Factory Ref Number		88
Power Setting PL/PP Ref Number		LL5722
Engine Perf Data Ref No and Change Level		DM8279
Multi Engine Torq/Rating		
Emissions Family		
Generator Rating W/O Fan	EKW	1525
Generator	HZ	
Brakesaver test		
Certified Engine Rating	kW	
Engineering Model Ref		E882
Low Idle In-Veh Speed	RPM	
Sales Model		
Machine Facility		
Usage		
Transmission		
Description		OF
Serial Number Prefix		

Altitude Derating Information		
Description	Measure	Data
Altitude - Maximum	M	1,675
Engine Power (ADV)	kW	
Engine Power (Test)	kW	1,603
High Idle Speed	RPM	
FL Static Fuel Setting	mm	
FT Static Fuel Setting	mm	32.90
Corrected Fuel Rate	G/MIN	6,280.0
FL Boost Pressure	KPA	

Spec Number vs. Arrangement Number Cross Reference	
Arrangement	2733849

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