

Reference Number: 0K5446

Effective Serial Number:  ▾

Model: 3508B DI TA SCAC

Make from Spec:

Test Spec Data				
Description	Measure	Nominal	Ceiling	Floor
Corr Full Load Power	kW	783.0	806.5	759.5
Full Load Speed	RPM	1600	1610	1590
Governor Setting Speed	RPM			
High Idle Speed	RPM	1730	1740	1720
Low Idle Speed	RPM	650	660	640
FL Static Fuel Setting	mm	20.400		
FT Static Fuel Setting	mm	20.500		
Corrected Fuel Rate	G/MIN	2,649.0	2,835.0	2,463.0
CSFC	G/KW.H	203.0	213.2	191.8
Adjusted Boost	KPA	225.0	258.8	191.2
Torque Check Speed	RPM	1500	1510	1490
Corr Torq Rise at TC RPM	%	6.9		
Corr Torque at TC RPM	N.M	4,996	5,346	4,646
C Fuel Rate at TC RPM	G/MIN	2,681.0	2,869.0	2,493.0
CSFC at TC RPM	G/KW.H	205.0	215.3	193.7
ADJ Boost at TC RPM	KPA	232.0	264.5	195.5
Power Loss/Cyl	% C FL PWR			
Specific Blowby	L/KW.H			
Temp Jacket Water Pump Inlet	C	86	90	82
Delta T Jacket Water (out-in)	C	3	8	-2
Inlet Manifold Temp	C			
Water Temp to Scac	C	30	30	27
Scac Water Flow	L/MIN			
Oil Pressure	KPA	435	600	338
Oil Pressure Low Idle	KPA	221	600	151
Fuel Pressure	KPA	491	672	336
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	1620	1630	1610
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			

**Test Spec Data**

Description	Measure	Nominal	Ceiling	Floor
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	20.40 / 20.50
Fuel Valve Part Number		
Unit Injector Part Number		2501306
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		1555269 / BTL8503-.96
Advertised Power / Governor Speed		783.0kW 1,600 RPM
Compression Ratio		14.0
Torque Rise Cam Part Number		
Manifold Type		DRY
Engine Flash File Part Number		2598274
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
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**Torque Control Group Spacer Data**

Part No	Thickness	Quantity
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**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		302 MP "B"
Engine Sales Model and Series		3508 B
Combustion System type		DI
Aspiration Type		TA

### Application/Performance Data

Description	Measure	Data
Engine Source Factory Ref Number		88
Power Setting PL/PP Ref Number		LL5531
Engine Perf Data Ref No and Change Level		DM6912
Multi Engine Torq/Rating		
Emissions Family		
Generator Rating W/O Fan	EKW	
Generator	HZ	
Brakesaver test		
Certified Engine Rating	kW	E763
Engineering Model Ref		
Low Idle In-Veh Speed	RPM	
Sales Model		
Machine Facility		
Usage		
Transmission		
Description		MP
Serial Number Prefixs		

### Altitude Derating Information

Description	Measure	Data
Altitude - Maximum	M	700
Engine Power (ADV)	kW	
Engine Power (Test)	kW	783
High Idle Speed	RPM	
FL Static Fuel Setting	mm	
FT Static Fuel Setting	mm	20.50
Corrected Fuel Rate	G/MIN	2,649.0
FL Boost Pressure	KPA	

### Spec Number vs. Arrangement Number Cross Reference

Arrangement      2322468

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