Customer TTZ100688

Test facility
Turbo-Tec EPS 815

Customer number
Job number 1
Telephone
Fax
Remark

Test user Operator CR1

Type number		Type designation	Revision date	Compensation
0445110047	**--**	**CRI 1**	12.10.2006	

Manufacturer	Component	Type	Control point	Temperature
Bosch	**CRI**	**1 MV**		**40** ℃

Complaint

Problem

Remark

	Injector A	Injector B	Injector C	Injector D	Injector E	Injector F
Serial number			2312271628330			
Date of manuf.						
Repair ID						
Repair res.						
Leak test			✔			
Classification	----	----	----	----	----	----
			A0			

5 Warm up
Warm up Testbench

Flow meas.

℃ = 40

n	/min	℃	MPa	µs	p	kPa	s
→I←	1000	40.0	130.0	1000		10.0	----
	250	1.0	10.0	----		20	----
=	1000	39.0	130.0				26

6 Stabilizing
Stabilizing Injector

Flow meas.

n	/min	℃	MPa	µs	p	kPa	s
→I←	1000	40.0	130.0	1000		10.0	----
	250	1.0	1.0	----		20	180
=	1000	40.1	130.0				180

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Manufacturer	Component	Type	Control point	Temperature	
Bosch	**CRI**	**1 MV**		**40**	**℃**

	Injector A	Injector B	Injector C	Injector D	Injector E	Injector F
Serial number			2312271628330			
Date of manuf.						

7 Conditioning
Conditioning for VL point

Flow meas.

n	/min		℃	p	MPa
→I←	1000	→I←	40.0	→I←	130.0
	250	↓↑	1.0	↓↑	1.0
=	1000	=	40.1	=	130.2

t	µs
→I←	1000
/min	----

p	kPa		s
	10.0		----
	20		70
		=	70

8 VL
Measure point VL

Flow meas.

n	/min		℃	p	MPa
→I←	1000	→I←	40.0	→I←	130.0
	250	↓↑	1.0	↓↑	1.0
=	1000	=	40.1	=	130.0

t	µs
→I←	1000
/min	----

p	kPa		s
	10.0		----
	20		----
		=	20

Q	mm³/H
→I←	58.7
↓↑	4.0
C=	60.3

	mm³/H
→I←	39.0
↓↑	22.0
C=	39.5

9 Conditioning
Conditioning for EM point

Flow meas.

n	/min		℃	p	MPa
→I←	1000	→I←	40.0	→I←	60.00
	250	↓↑	1.0	↓↑	1.0
=	1000	=	40.1	=	60.0

t	µs
→I←	600
/min	----

p	kPa		s
	10.0		----
	20		70
		=	70

10 EM
Measure point EM

Flow meas.

n	/min		℃	p	MPa
→I←	1000	→I←	40.0	→I←	60.00
	250	↓↑	1.0	↓↑	1.0
=	1000	=	40.1	=	60.0

t	µs
→I←	600
/min	----

p	kPa		s
	10.0		----
	20		----
		=	20

Q	mm³/H
→I←	15.8

Type number		Type designation	Revision date	Compensation
0445110047	**--**	**CRI 1**	12.10.2006	

Manufacturer	Component	Type	Control point	Temperature	
Bosch	**CRI**	**1 MV**		**40**	**°C**

	Injector A	Injector B	Injector C	Injector D	Injector E	Injector F
Serial number			2312271628330			
Date of manuf.						

↓↑	3.9
C=	15.2

11 Conditioning

Conditioning for LL point

Flow meas.

n	/min		°C	p	MPa
→I←	1000	→I←	40.0	→I←	30.00
	250	↓↑	1.0	↓↑	1.0
=	1000	=	40.0	=	30.0

t	µs	p	kPa		s		
→I←	575		10.0		----		
	----		20		70		
				=	70		

12 LL

Measure point LL

Flow meas.

n	/min		°C	p	MPa
→I←	1000	→I←	40.0	→I←	30.00
	250	↓↑	1.0	↓↑	1.0
=	1000	=	40.0	=	30.0

t	µs	p	kPa		s		
→I←	575		10.0		----		
	----		20		----		
				=	20		

Q	mm³/H
→I←	3.9
↓↑	1.9
C=	3.1

13 Conditioning

Conditioning for VE point

Flow meas.

n	/min		°C	p	MPa
→I←	1000	→I←	40.0	→I←	60.00
	250	↓↑	1.0	↓↑	1.0
=	1000	=	39.9	=	60.0

t	µs	p	kPa		s		
→I←	230		10.0		----		
	----		20		70		
				=	70		

14 VE

Measure point VE

Flow meas.

n	/min		°C	p	MPa
→I←	1000	→I←	40.0	→I←	60.00
	250	↓↑	1.0	↓↑	1.0
=	1000	=	39.9	=	60.0

t	µs	p	kPa		s		
→I←	230		10.0		----		
	----		20		----		
				=	20		

Q	mm³/H
→I←	1.4

Type number		Type designation	Revision date	Compensation
0445110047	**--**	**CRI 1**	12.10.2006	

Manufacturer	Component	Type	Control point	Temperature	
Bosch	**CRI**	**1 MV**		**40**	**°C**

	Injector A	Injector B	Injector C	Injector D	Injector E	Injector F
Serial number			2312271628330			
Date of manuf.						

C= 2.1

15 Conditioning
Conditioning for VE point

Flow meas.

n	/min		°C	p	MPa	t	µs	p	kPa		s
→I←	1000	→I←	40.0	→I←	80.00	→I←	160		10.0		----
	250		1.0		1.0	/min	----		20		70
=	1000	=	40.0	=	80.0					=	70

16 VE
Measure point VE

Flow meas.

n	/min		°C	p	MPa	t	µs	p	kPa		s
→I←	1000	→I←	40.0	→I←	80.00	→I←	160		10.0		----
	250		1.0		1.0	/min	----		20		----
=	1000	=	40.0	=	80.0					=	20

Q mm³/H
→I← 1.5
1.2
C= 1.9