

**BOSCH**EPS945
CD-TestDataV 4.54
2018/A 1.4.3.014.10.2022 12:17:56
General test

Customer

Rob.

Customer number

Job number

Telephone

Fax

Remark

Test facility

DIESEL INJECTION PERFORMAN
PLUS LTD
UNIT 41 EDISON ROAD
RABANS LANE IND ESTATE
AYLESBURY BUCKS
01296 487400

Test user

Revision date 12.10.2006
Compensation Control point
Temperature 40 °C

Type number

0445110049

Type designation

CRI 1

Manufacturer

Bosch

Component

CRI

Type

1 MV

Complaint

Problem

Remark

	Injector A 1	Injector B 2	Injector C 3	Injector D 4	Injector E	Injector F
Serial number						
Date of manuf.						
Repair ID						
Repair res.						
Leak test						
Classification	C2	C1	C1			

4 Conditioning
Conditioning Testbench

Flow meas.

n	/min		°C	p	MPa
→	2000	→	40.0	→	130.0
→	250	→	20.0	→	10.0
=	1999	=	40.4	=	130.0

t	μs
→	1000
n/min	---

p	kPa	⌚	s
→	10.0	→	---
→	20	→	180
=		=	180

5 Warm up
Warm up Testbench

Flow meas.

n	/min		°C	p	MPa
→	1000	→	40.0	→	130.0
→	250	→	1.0	→	10.0
=	1000	=	40.4	=	130.7

t	μs
→	1000
n/min	---

p	kPa	⌚	s
→	10.0	→	---
→	20	→	---
=		=	0

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General test

Type number		Type designation		Revision date		Compensation	
0445110049		CRI 1		12.10.2006			
Manufacturer		Type		Control point		Temperature	
Bosch		1 MV				40 °C	
Injector A		Injector B		Injector D		Injector E	
1		2		4			
Serial number		Injector C		Injector E		Injector F	
Date of manuf.		3					

Flow meas.

6 Stabilizing
 Stabilizing Injector

n	/min		°C	p	MPa
	1000		40.0		130.0
	250		1.0		1.0
=	1000	=	39.8	=	130.0

t μ s
 1000
n/min ---

p kPa
 10.0
 20
s

 180
= 180

Flow meas.

7 Conditioning
 Conditioning for VL point

n	/min		°C	p	MPa
	1000		40.0		130.0
	250		1.0		1.0
=	1000	=	39.8	=	130.0

t μ s
 1000
n/min ---

p kPa
 10.0
 20
s

 70
= 70

Flow meas.

9 Conditioning
 Conditioning for EM point

n	/min		°C	p	MPa
	1000		40.0		60.00
	250		1.0		1.0
=	1000	=	40.2	=	59.7

t μ s
 600
n/min ---

p kPa
 10.0
 20
s

 70
= 70

Flow meas.

10 EM
 Measure point EM

n	/min		°C	p	MPa
	1000		40.0		60.00
	250		1.0		1.0
=	1000	=	40.0	=	60.0

t μ s
 600
n/min ---

p kPa
 10.0
 20
s

 58
= 58

\bar{Q}	mm ³ /H	\bar{Q}	mm ³ /H	\bar{Q}	mm ³ /H	\bar{Q}	mm ³ /H
	14.2		14.2		14.2		14.2
	3.9		3.9		3.9		3.9
/A=	15.6	/B=	12.7	/C=	12.2	/D=	10.6

Flow meas.




11 Conditioning
 Conditioning for LL point

n	/min		°C	p	MPa
	1000		40.0		30.00

t μ s
 575

p kPa
 10.0
s

**BOSCH**EPS945
CD-TestDataV 4.54
2018/A 1.4.3.014.10.2022 12:17:56
General test

 BOSCH		CD-TestData		2018/A 1.4.3.0		
Type number	Type designation		Revision date	Compensation		
0445110049	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	1	2	3	4		
Date of manuf.						

250 $\downarrow \uparrow$ 1.0 $\downarrow \uparrow$ 1.0 n/min ---
 = 1000 = 39.8 = 30.0

20 --- 70
 = 70

Flow meas.

12 LL
 Measure point LL

n /min °C $p \rightarrow$ MPa
 \rightarrow 1000 \rightarrow 40.0 \rightarrow 30.00
 250 $\downarrow \uparrow$ 1.0 $\downarrow \uparrow$ 1.0
 = 999 = 39.5 = 30.0

t μ s
 \rightarrow 575
 n/min ---

p kPa --- s
 10.0 ---
 20 --- 60
 = 60

$\bar{Q}/$ mm³/H $\bar{Q}/$ mm³/H $\bar{Q}/$ mm³/H $\bar{Q}/$ mm³/H
 \rightarrow 3.9 \rightarrow 3.9 \rightarrow 3.9 \rightarrow 3.9
 $\downarrow \uparrow$ 1.9 $\downarrow \uparrow$ 1.9 $\downarrow \uparrow$ 1.9 $\downarrow \uparrow$ 1.9
 $/A=$ 4.8 $/B=$ 3.4 $/C=$ 2.6 $/D=$ 2.3

Flow meas.

13 Conditioning
 Conditioning for VE point

n /min °C $p \rightarrow$ MPa
 \rightarrow 1000 \rightarrow 40.0 \rightarrow 60.00
 250 $\downarrow \uparrow$ 1.0 $\downarrow \uparrow$ 1.0
 = 1000 = 39.5 = 60.0

t μ s
 \rightarrow 230
 n/min ---

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

Flow meas.

14 VE
 Measure point VE

n /min °C $p \rightarrow$ MPa
 \rightarrow 1000 \rightarrow 40.0 \rightarrow 60.00
 250 $\downarrow \uparrow$ 1.0 $\downarrow \uparrow$ 1.0
 = 1000 = 40.1 = 60.0

t μ s
 \rightarrow 230
 n/min ---

p kPa --- s
 10.0 ---
 20 --- 50
 = 50

$\bar{Q}/$ mm³/H $\bar{Q}/$ mm³/H $\bar{Q}/$ mm³/H $\bar{Q}/$ mm³/H
 \rightarrow 1.1 \rightarrow 1.1 \rightarrow 1.1 \rightarrow 1.1
 $\downarrow \uparrow$ --- $\downarrow \uparrow$ --- $\downarrow \uparrow$ --- $\downarrow \uparrow$ ---
 $/A=$ 3.2 $/B=$ 2.0 $/C=$ 1.4 $/D=$ 1.6


Flow meas.

15 Conditioning
 Conditioning for VE point







n /min °C $p \rightarrow$ MPa
 \rightarrow 1000 \rightarrow 40.0 \rightarrow 80.00


t μ s
 \rightarrow 160


p kPa --- s
 10.0 ---















Type number	Type designation	Revision date	Compensation
0445110049	CRI 1	12.10.2006	IX
Manufacturer	Component	Control point	Temperature
Bosch	CRI		40 °C









	Injector A	Injector B	Injector C	Injector D	Injector E	Injector F
Serial number	1	2	3	4		
Date of manuf.						

	250		1.0		1.0		min	---		20		70
=	1000	=	40.6	=	80.0						=	70

16 VE
 Measure point VE

 Flow meas.

n	/min		°C	p	MPa	t	µs	p	kPa		s
	1000		40.0		80.00		160		10.0		---
	250		1.0		1.0		min		20		---
=	1000	=	40.8	=	80.0					=	50

\bar{Q}	mm³/H	\bar{Q}	mm³/H	\bar{Q}	mm³/H	\bar{Q}	mm³/H
	1.5		1.5		1.5		1.5
	1.2		1.2		1.2		1.2
/A=	3.0	/B=	1.8	/C=	1.2	/D=	1.1

Engine start/stop with F8. Next test step with F4 +.
Results with F12 >>. Component selection with F11 <<.

