

Date:

CR-JET test results

Injector info: Number: 0445110029 - -- Designation: CRI 1 Type: BOSCH Info:	Customer: <div></div> Injectors serial 1: <div></div> 3: <div></div> 2: <div></div> 4: <div></div>
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Test parameters

Point	Pressure,bar	Pulse, µs	IPM	Flow, mm³/st	Overflow,mm³/st	
Leak test	1400	0	1000		0,0 ... 70,0	

Test 1	Injector	Flow, mm³/st	Overflow,mm³/st	BIP, µs	Resp., µs	t,°C	Status
	1		31,6				✓
	2		27,7				✓
	3		29,6				✓
	4		32,6				✓

Test 2	Injector	Flow, mm³/st	Overflow,mm³/st	BIP, µs	Resp., µs	t,°C	Status
	1						
	2						
	3		26,7				✓
	4		39,1				✓

Point	Pressure,bar	Pulse, µs	IPM	Flow, mm³/st	Overflow,mm³/st	
VL	1300	1000	1000	55,0 ... 63,0	18,0 ... 62,0	

Test 1	Injector	Flow, mm³/st	Overflow,mm³/st	BIP, µs	Resp., µs	t,°C	Status
	1	54,6	49,9				✗
	2	55,6	51,0				✓
	3	53,0	48,6				✗
	4	56,7	54,9				✓

Test 2	Injector	Flow, mm³/st	Overflow,mm³/st	BIP, µs	Resp., µs	t,°C	Status
	1						
	2						
	3	53,7	48,3				✗
	4	58,4	85,9				✗

Point	Pressure,bar	Pulse, µs	IPM	Flow, mm³/st	Overflow,mm³/st	
EM	500	675	1000	15,2 ... 21,2		

Test 1	Injector	Flow, mm³/st	Overflow,mm³/st	BIP, µs	Resp., µs	t,°C	Status
	1	16,0					✓
	2	13,8					✗
	3	15,6					✓
	4	12,4					✗

Test 2	Injector	Flow, mm³/st	Overflow,mm³/st	BIP, µs	Resp., µs	t, °C	Status
	1						
	2						
	3	13,3					✗
	4	17,8					✓

Point	Pressure,bar	Pulse, µs	IPM	Flow, mm³/st	Overflow,mm³/st		
LL	230	725	1000	1,4 ... 4,2			
Test 1	Injector	Flow, mm³/st	Overflow,mm³/st	BIP, µs	Resp., µs	t, °C	Status
	1	2,5					✓
	2	3,0					✓
	3	3,5					✓
	4	0,0					✗
Test 2	Injector	Flow, mm³/st	Overflow,mm³/st	BIP, µs	Resp., µs	t, °C	Status
	1	1,7					✓
	2	3,3					✓
	3	3,2					✓
	4	1,7					✓
Test 3	Injector	Flow, mm³/st	Overflow,mm³/st	BIP, µs	Resp., µs	t, °C	Status
	1						
	2						
	3	2,6					✓
	4	3,7					✓

Point	Pressure,bar	Pulse, µs	IPM	Flow, mm³/st	Overflow,mm³/st		
VE	500	250	1000	0,3 ... 2,9			
Test 1	Injector	Flow, mm³/st	Overflow,mm³/st	BIP, µs	Resp., µs	t, °C	Status
	1	1,6					✓
	2	1,3					✓
	3	1,8					✓
	4	0,9					✓
Test 2	Injector	Flow, mm³/st	Overflow,mm³/st	BIP, µs	Resp., µs	t, °C	Status
	1						
	2						
	3	1,1					✓
	4	2,8					✓

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CR-JET test results

Injector info:	Customer:
Number: 0445110029 - --	
Designation: CRI 1	Injectors serial
Type: BOSCH	1 : 3 :
Info:	2 : 4 :

Test parameters

Point	Pressure,bar	Pulse, µs	IPM	Flow, mm³/st	Overflow,mm³/st	
Leak test	1400		1000			

Test 1	Injector	Flow, mm³/st	Overflow,mm³/st	BIP, µs	Resp., µs	t,°C	Status
	1		31,6				✓
	2		27,7				✓
	3		29,6				✓
	4		32,6				✓

Test 2	Injector	Flow, mm³/st	Overflow,mm³/st	BIP, µs	Resp., µs	t,°C	Status
	1						
	2						
	3		26,7				✓
	4		39,1				✓

Point	Pressure,bar	Pulse, µs	IPM	Flow, mm³/st	Overflow,mm³/st	
VL	1300		1000			

Test 1	Injector	Flow, mm³/st	Overflow,mm³/st	BIP, µs	Resp., µs	t,°C	Status
	1	54,6	49,9				✗
	2	55,6	51,0				✓
	3	53,0	48,6				✗
	4	56,7	54,9				✓

Test 2	Injector	Flow, mm³/st	Overflow,mm³/st	BIP, µs	Resp., µs	t,°C	Status
	1						
	2						
	3	53,7	48,3				✗
	4	58,4	85,9				✗

Point	Pressure,bar	Pulse, µs	IPM	Flow, mm³/st	Overflow,mm³/st	
EM	500		1000			

Test 1	Injector	Flow, mm³/st	Overflow,mm³/st	BIP, µs	Resp., µs	t,°C	Status
	1	16,0					✓
	2	13,8					✗
	3	15,6					✓
	4	12,4					✗

Test 2	Injector	Flow, mm³/st	Overflow,mm³/st	BIP, µs	Resp., µs	t, °C	Status
	1						
	2						
	3	13,3					✗
	4	17,8					✓

Point	Pressure,bar	Pulse, µs	IPM	Flow, mm³/st	Overflow,mm³/st		
LL	230		1000				
Test 1	Injector	Flow, mm³/st	Overflow,mm³/st	BIP, µs	Resp., µs	t, °C	Status
	1	2,5					✓
	2	3,0					✓
	3	3,5					✓
	4	0,0					✗
Test 2	Injector	Flow, mm³/st	Overflow,mm³/st	BIP, µs	Resp., µs	t, °C	Status
	1	1,7					✓
	2	3,3					✓
	3	3,2					✓
	4	1,7					✓
Test 3	Injector	Flow, mm³/st	Overflow,mm³/st	BIP, µs	Resp., µs	t, °C	Status
	1						
	2						
	3	2,6					✓
	4	3,7					✓

Point	Pressure,bar	Pulse, µs	IPM	Flow, mm³/st	Overflow,mm³/st		
VE	500		1000				
Test 1	Injector	Flow, mm³/st	Overflow,mm³/st	BIP, µs	Resp., µs	t, °C	Status
	1	1,6					✓
	2	1,3					✓
	3	1,8					✓
	4	0,9					✓
Test 2	Injector	Flow, mm³/st	Overflow,mm³/st	BIP, µs	Resp., µs	t, °C	Status
	1						
	2						
	3	1,1					✓
	4	2,8					✓

Date:

CR-JET test results

Injector info: Number: 0445110029 - - Designation: CRI 1 Type: BOSCH Info:	Customer: <div style="background-color: #cccccc; width: 150px; height: 20px;"></div> Injectors serial 1 : <div style="background-color: #cccccc; width: 100px; height: 20px;"></div> 3 : <div style="background-color: #cccccc; width: 100px; height: 20px;"></div> 2 : <div style="background-color: #cccccc; width: 100px; height: 20px;"></div> 4 : <div style="background-color: #cccccc; width: 100px; height: 20px;"></div>
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Test parameters

Point	Pressure,bar	Pulse, µs	IPM	Flow, mm³/st	Overflow,mm³/st	
Leak test	1400		1000			

Test 1	Injector	Flow, mm³/st	Overflow,mm³/st	BIP, µs	Resp., µs	t, °C	Status
	1		31,6				✓
	2		27,7				✓
	3		29,6				✓
	4		32,6				✓

Point	Pressure,bar	Pulse, µs	IPM	Flow, mm³/st	Overflow,mm³/st	
VL	1300		1000			

Test 1	Injector	Flow, mm³/st	Overflow,mm³/st	BIP, µs	Resp., µs	t, °C	Status
	1	54,6	49,9				✗
	2	55,6	51,0				✓
	3	53,0	48,6				✗
	4	56,7	54,9				✓

Point	Pressure,bar	Pulse, µs	IPM	Flow, mm³/st	Overflow,mm³/st	
EM	500		1000			

Test 1	Injector	Flow, mm³/st	Overflow,mm³/st	BIP, µs	Resp., µs	t, °C	Status
	1	16,0					✓
	2	13,8					✗
	3	15,6					✓
	4	12,4					✗

Point	Pressure,bar	Pulse, µs	IPM	Flow, mm³/st	Overflow,mm³/st	
LL	230		1000			

Test 2	Injector	Flow, mm³/st	Overflow,mm³/st	BIP, µs	Resp., µs	t, °C	Status
	1	1,7					✓
	2	3,3					✓
	3	3,2					✓
	4	1,7					✓

Point	Pressure,bar	Pulse, μ s	IPM	Flow, mm ³ /st	Overflow,mm ³ /st		
VE	500		1000				
Test 1	Injector	Flow, mm ³ /st	Overflow,mm ³ /st	BIP, μ s	Resp., μ s	t,°C	Status
	1	1,6					✓
	2	1,3					✓
	3	1,8					✓
	4	0,9					✓