DCI injector test report

Test parameters

Test bench type	*Software version*	*Test plan*	*Print date*
DCI200	1.4.6.2507	Official Bosch	5/9/26
Test bench serial number	*Firmware version*	*Test source databank version*	*Printing time*
0100050849	1.3.2424-master.2120	1.4.6.1 2025/06	10:28 AM

Remark: **To obtain reliable test results, genuine spare parts and repair instructions must be used.**

Workshop

Unavailable

Order number
--

Tester

User

Date of result
5/9/26

Time of result
10:27 AM

Customer

Unavailable

Number
--

Injector

Part number	*Type designation*	
0445110219	CRI 2-16	
Serial number	*Date of manufacture*	*Repair ID*
--	--	--
Encoding	*Slot*	
--	A	

Test result

Test steps successful	*Test steps unsuccessful*	*Remark*
7	1	--
Current encoding		
5ISIGAY		

Details of test result

Test step number	1	*Test time*	0 s
Test step name	Leak Test	*Test result*	? Not tested
Injector actuation time	-- µs	*Rotational speed*	-- 1/min
Injector actuation frequency	-- 1/min	*Tank temperature*	-- °C
Rail pressure	-- MPa		
Injector quantity	-- mm^3/H	*Return quantity*	-- mm^3/H
Quantity temperature	-- °C	*Return temperature*	-- °C
		Return pressure	-- kPa

Test step number	2		*Test time*	80	s
Test step name	Start Up		*Test result*	✔ Passed	
Injector actuation time	1250	µs	*Rotational speed*	1650	1/min
Injector actuation frequency	1000	1/min	*Tank temperature*	38.6	°C
Rail pressure	160.1	MPa			
Injector quantity	118.6	mm³/H	*Return quantity*	29.1	mm³/H
Quantity temperature	58.6	°C	*Return temperature*	40.8	°C
			Return pressure	51	kPa

Test step number	3		*Test time*	40	s
Test step name	VL		*Test result*	✔ Passed	
Injector actuation time	800	µs	*Rotational speed*	1650	1/min
Injector actuation frequency	1500	1/min	*Tank temperature*	39.1	°C
Rail pressure	160.0	MPa			
Injector quantity	74.6	mm³/H	*Return quantity*	24.8	mm³/H
Quantity temperature	62.2	°C	*Return temperature*	41.4	°C
			Return pressure	50	kPa

Test step number	4		*Test time*	15	s
Test step name	EM		*Test result*	✔ Passed	
Injector actuation time	630	µs	*Rotational speed*	1650	1/min
Injector actuation frequency	2000	1/min	*Tank temperature*	39.0	°C
Rail pressure	60.1	MPa			
Injector quantity	16.6	mm³/H	*Return quantity*	9.7	mm³/H
Quantity temperature	55.4	°C	*Return temperature*	41.3	°C
			Return pressure	49	kPa

Test step number	5		*Test time*	30	s
Test step name	VE2		*Test result*	✔ Passed	
Injector actuation time	245	µs	*Rotational speed*	1650	1/min
Injector actuation frequency	2000	1/min	*Tank temperature*	39.2	°C
Rail pressure	120.0	MPa			
Injector quantity	2.7	mm³/H	*Return quantity*	8.9	mm³/H
Quantity temperature	48.6	°C	*Return temperature*	40.8	°C
			Return pressure	50	kPa

Test step number	6		*Test time*	15	s
Test step name	VE		*Test result*	✔ Passed	
Injector actuation time	260	µs	*Rotational speed*	1650	1/min
Injector actuation frequency	1000	1/min	*Tank temperature*	39.4	°C
Rail pressure	60.0	MPa			
Injector quantity	1.0	mm³/H	*Return quantity*	8.9	mm³/H
Quantity temperature	47.1	°C	*Return temperature*	40.7	°C
			Return pressure	49	kPa

Test step number	7		*Test time*	15	s
Test step name	LL		*Test result*	✔ Passed	
Injector actuation time	640	µs	*Rotational speed*	1650	1/min
Injector actuation frequency	2000	1/min	*Tank temperature*	39.8	°C
Rail pressure	30.1	MPa			
Injector quantity	4.6	mm^3/H	*Return quantity*	6.7	mm^3/H
Quantity temperature	46.7	°C	*Return temperature*	40.6	°C
			Return pressure	49	kPa

Test step number	8		
Test step name	IMA calculation	*Test result*	✔ Passed