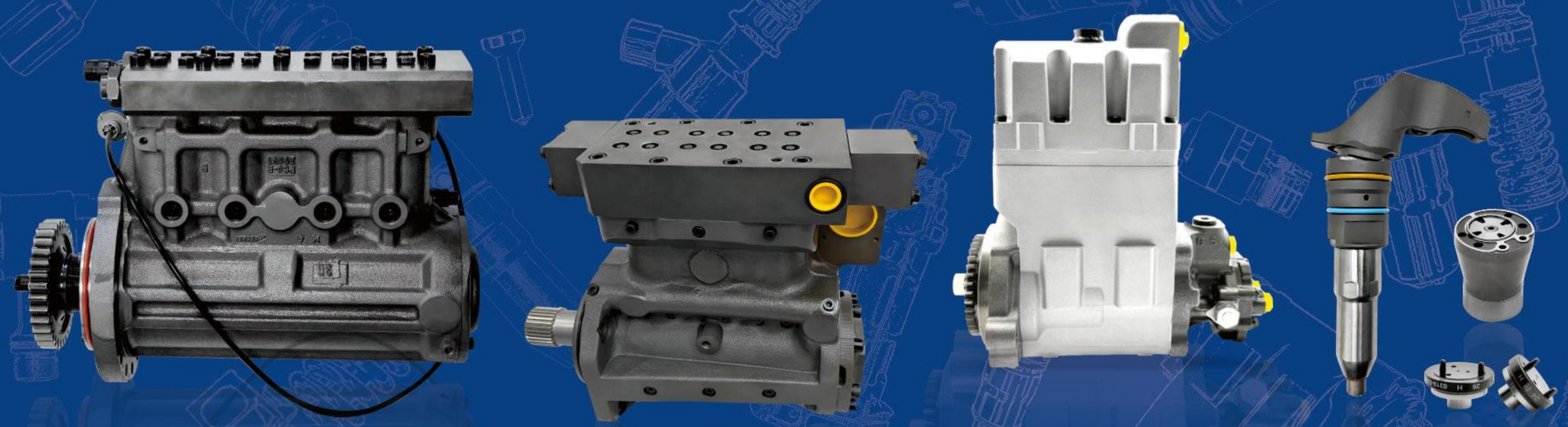
DiSeLon

PRODUCT CATALOG

Diesels
Superior
Lasting

FUEL SUPPLY SYSTEM



FUEL INJECTOR



PRECISION ENGINEERING | RELIABLE QUALITY | DURABLE PERFORMANCE | CUSTOMER TRUST

Diselon Fuel Systems (DG) Co., Ltd.

www.diselon.net

ABOUT US

CORE VALUES

Integrity builds trust;
dedication creates excellence;
responsibility ensures efficiency;
hard work yields results; and
mutual success builds a great
enterprise.

CORPORATE MISSION

Dedicated to creating excellence
in powertrain technology

CORPORATE VISION

Powering the world's energy sector
with Chinese innovation










30 YEARS OF INDUSTRY EXPERIENCE
EXPERTS IN FUEL INJECTION SYSTEMS!

- With over 20 years of manufacturing experience, Diselon is a trusted supplier of diesel fuel injectors, fuel pumps, and fuel system components for the global aftermarket.
- Combining advanced manufacturing, strict quality control, and internationally certified production systems (ISO 9001 & IATF 16949), every product is tested on professional Bosch, Hartridge, and CARBON ZAPP equipment to ensure reliable performance and consistent quality.
- Today, Diselon products are trusted by customers in construction, transportation, agriculture, mining, marine, and power generation industries across the world.

CERTIFICATE OF HONOUR



COMPATIBLE FOR MFCATERPILLAR ENGINES



C4.4/C6.4



C7/C9



C15/C18



C11/C13



C10/C12



C9.3



C175



C175



3116/3126



3126



C7/C9/C-9



C4.4/C6.4



C9.3



C3600



3600A



C3500A



C3500B



3126B



3408/3412



3408/3412

TEST REPORT

hartridge

AVM2-EUI : Results File

Overall test results
✔

Test header data

Test comments			
Owner Name		Machine serial number	
Owner Number		Operator	
Town		Test Plan	253-0615.tpn.xml
Street		Vehicle Manufacturer	Caterpillar
County		Injector type	3406
Post Code		Plunger Area (mm2)	0.9499
Reference Number		Load Cell Fitted	Yes
Tel.no.		Date and Time	05/07/2025 : 21:01:3
Fax. no.		Injector serial number	9485
E-Mail Address		Customer reference	

Test Results (once per test)

Results comments	

Parameter	Minimum Limit	Value	Maximum Limit	Units	Status
Supply Pressure	5.0	5.2	5.5	bar	✔
Boost Pressure	0.0	-0.1	0.0	bar	✔
Supply Temperature	33.0	40.2	42.0	°C	✔
Return Temperature	0.0	-999.9	0.0	°C	✔
Injector Temperature	0.0	32.1	0.0	°C	✔
Metering Temperature	0.0	37.0	0.0	°C	✔

Test Step Results Table

Step N.º	test Type	Comment	Speed (RPM)	Pulse Width ms	Load Thresh. bar	Min. Limit	Measured Value	Max. Limit	Units	Step Status
1	Resistance	Resistance	-----	-----	-----	0.90	1.20	1.70	Ohms	✔
2	*Coil test on*	*Coil test on*	-----	-----	-----	*0.000*	***0.000***	*0.000*	*ms*	?
3	*Coil test off*	*Coil test off*	-----	-----	-----	*0.000*	***0.000***	*0.000*	*ms*	?
4	Delivery	Warmup / purge air	350	5.000	-----	206.00	210.20	222.00	mm3/st	✔
5	P2 Response	Warmup / purge air	350	5.000	-----	1.100	1.217	2.300	ms	✔

6	Delivery	Idle	450	2.000	-----	30.00	35.59	40.00	mm3/st	✔
7	P2 Response	Idle	450	2.000	-----	1.100	1.190	2.200	ms	✔
8	Delivery	Max Torque	700	4.000	-----	284.00	287.75	300.00	mm3/st	✔
9	P2 Response	Max Torque	700	4.000	-----	0.600	1.084	1.600	ms	✔

TEST EQUIPMENT

Hartridge Toleds HEUI Master



Scope of Application

- Designed specifically for HEUI injectors, primarily for testing Caterpillar C7/C9/3126B/3406E and Navistar DT466 and Dt530 engines;
- OEM-grade test programme based on part numbers; test data complies with the manufacturers' specifications.

Key features

- Precise static and dynamic testing of parameters such as injection timing, injection volume, solenoid valve electrical parameters, return flow rate and response time.

Merlin Diesel Systems Ltcl Kb1000



Scope of Application

- Supports performance testing of Caterpillar EUI pump nozzles;
- Factory-calibrated test procedure; test data complies with the manufacturer's specifications.

Key features

- Precise static and dynamic testing of parameters such as injection timing, injection volume, return flow, response time and injection start pressure;
- Equipped with a function to generate fuel correction codes for fuel injectors.

COMPATIBLE FOR MFCUMMINS ENGINES



M11



N14



DC13



QSK19/38/60



QSK38/60



K19/K38/K50



QSB/6D107



X15



X15



ISG/X12



M11/N14



QSZ13



Q23/Q60



QSK60/CP9-L5



ISB/4.5/6.7

TEST REPORT

Page 1 of 2

hartridge

AVM2-EUI : Results File

Overall test results
✔

Test header data

Test comments			
Owner Name		Machine serial number	
Owner Number		Operator	
Town		Test Plan	4903472.tpn.xml
Street		Vehicle Manufacturer	Cummins
County		Injector type	M11
Post Code		Plunger Area (mm2)	0.6359
Reference Number		Load Cell Fitted	Yes
Tel.no.		Date and Time	22/06/2025 : 16:20:3
Fax. no.		Injector serial number	360
E-Mail Address		Customer reference	

Test Results (once per test)

Results comments	

Parameter	Minimum Limit	Value	Maximum Limit	Units	Status
Supply Pressure	7.0	**7.3**	7.5	bar	✔
Boost Pressure	0.0	**-0.1**	0.0	bar	✔
Supply Temperature	38.0	**45.0**	48.0	℃	✔
Return Temperature	0.0	**-999.9**	0.0	℃	✔
Injector Temperature	0.0	**30.3**	0.0	℃	✔
Metering Temperature	0.0	**31.8**	0.0	℃	✔

Test Step Results Table

Step N.º	test Type	Comment	Speed (RPM)	Pulse Width ms	Load Thresh. bar	Min. Limit	Measured Value	Max. Limit	Units	Step Status
1	Resistance	Resistance	-----	-----	-----	0.10	**0.85**	1.70	Ohms	✔
2	*Coil test on*	*Coil test on*	-----	-----	-----	*0.000*	***0.000***	*0.000*	*ms*	?
3	*Coil test off*	*Coil test off*	-----	-----	-----	*0.000*	***0.000***	*0.000*	*ms*	?
4	Delivery	Purge	500	8.000	-----	90.00	**98.76**	102.00	mm3/st	✔
5	P2 Response	Purge	500	8.000	-----	49.000	**53.547**	55.000	ms	✔

file://C:\Hartridge\EUI\Results\Cummins\M11\4903472_360.erf.xml 22/06/2025

Page 2 of 2

6	Delivery	delivery	950	9.000	-----	160.00	**168.68**	175.00	mm3/st	✔
7	P2 Response	delivery	950	13.500	-----	23.000	**26.018**	27.000	ms	✔
8	Delivery	Max Torque	800	13.500	-----	224.00	**227.62**	236.00	mm3/st	✔
9	P2 Response	Max Torque	800	13.500	-----	29.000	**30.965**	34.000	ms	✔
10	Delivery	Idle	400	5.000	-----	36.00	**41.54**	46.00	mm3/st	✔
11	P2 Response	Idle	400	5.000	-----	3.700	**4.220**	4.400	ms	✔

TEST EQUIPMENT



BOTEN CR1016

Scope of Application

- A comprehensive test bench capable of testing the performance of EUI, HEUI, EUP and CRI injectors and fuel pumps from leading manufacturers such as Delphi, Denso, Bosch, Cummins, Caterpillar and Roun;
- Factory-calibrated test procedure; test data complies with the manufacturer's specifications.

Key features

- Precise static and dynamic testing of parameters such as common rail pressure, injection timing, injection volume, solenoid valve electrical parameters, return flow rate and response time.

COMPATIBLE FOR MFVOLVO ENGINES



E1/MD11/MD13



E3/MD11/MD13



F2E/MD13/MD16



F2E/MD13/MD16



F2P/PAAK



F2P/DAF



F2R/OM934



MFDeutz D6DE/D7E



D13



A3/D12



D6E/DIE



MFDAF



MFRodius Kyron 2.7 Xdi



MFGalaxy Mondeo
S-max 2.0 TDCi 110 Kw



MFSsangYong Tivoli
1.6XDi 2015

TEST REPORT

Delphi Technologies	Test Type Adjustment Test Operator Name	Test Time 2025/08/18 17:54:01 Owner Name F-DIESEL

EUI/EUP Information

Part Number	BEBE4D28001
Serial Number	20250818
Original Code	
New Code	**5N62V43D9**

Result Details

No.	Result Information	Value	Min	Max	Units	Status
1	**Electrical Results**					
2	-SCV Resistance	1.844	1.600	2.100	hms	✔
3	-NCV Resistance	1.558	1.250	1.650	Ohms	✔
4	-Valve Test OK	-	-	-	-	✔
5	**Adjustment Results**					
6	-Results	-	-	-	-	✔
7	-NCV Valve Test	316.7	230.0	420.0	bar	✔
8	-NCV Valve Test	1356.5	1150.0	2500.0	bar	✔
9	-Purge	10.5	-32.8	32.8	mm3/st	✔
10	-NCV Response Time T4	5.6	-80.0	80.0	µS	✔
11	-SCV Response Time T3	-21.4	-100.0	100.0	µS	✔
12	-SCV Response Time T4	-11.6	-100.0	100.0	µS	✔
13	-NCV Response Time T3	-47.8	-80.0	80.0	µS	✔
14	-Raw Delivery	-1.8	-16.4	16.4	mm3/st	✔
15	-Corrected Delivery	0.6	-6.6	6.6	mm3/st	✔
16	-Rated Delivery	12.3	-12.5	12.5	mm3/st	✔
17	-Peak Pressure	-62.3	-150.0	150.0	bar	✔
18	-Peak Torque	4.4	-12.5	12.5	mm3/st	✔
19	-Pilot Delivery	-3.7	-8.0	8.0	mm3/st	✔
20	-Corrected Pil Delivery	-0.3	-2.5	2.5	mm3/st	✔

TEST EQUIPMENT

Hartridge AVM2-PC

Machine specifications

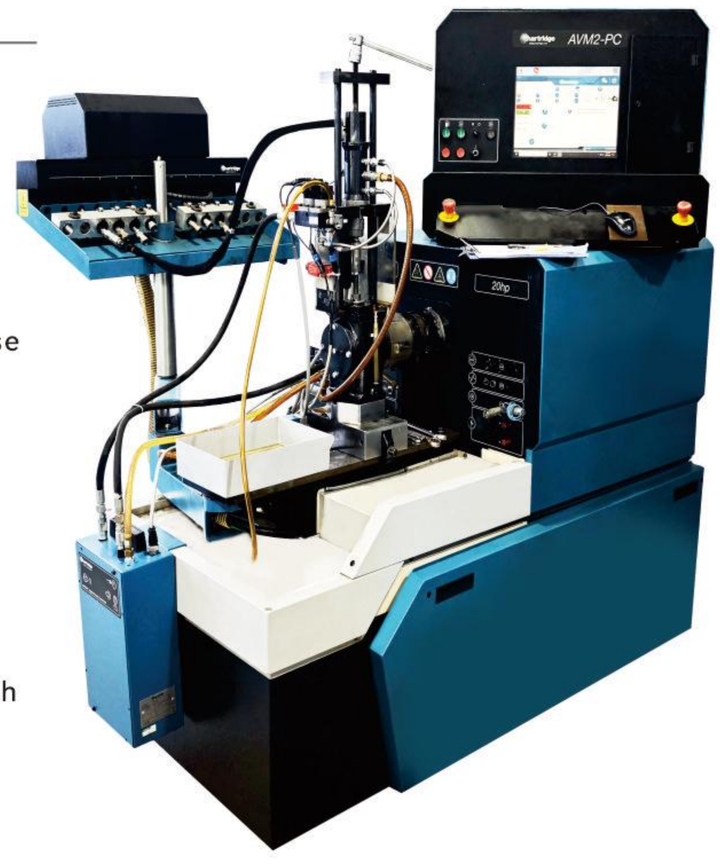
- Hartridge AVM2-PC+EUI/EUP electronic single-unit pump kit.

Scope of Application

- Capable of testing EUI/EUP and HPI electronically controlled unit pumps/injectors;
- Supports performance testing of injectors from leading manufacturers such as Delphi, Denso, Bosch and Cummins;
- We hold an official licence for Delphi's original manufacturer testing software and can issue fuel correction code reports for Delphi EUI pump-nozzles, in accordance with the manufacturer's standards.

Key features

- Precise static and dynamic testing of parameters such as injection timing, injection volume, solenoid valve electrical parameters, return flow, pressure waveforms and response times;
- Authorised Delphi original equipment manufacturer (OEM) diagnostic software, capable of generating DelphiEUI injector fuel correction code reports that comply with OEM standards.



COMPATIBLE FOR MFMTU AND MFMERCEDES-BENZ ENGINES



MFMTU 2000



MFMTU 4000 .1



MFMTU 4000.3



OM904/OM926



OM457



MFMTU 4000.1

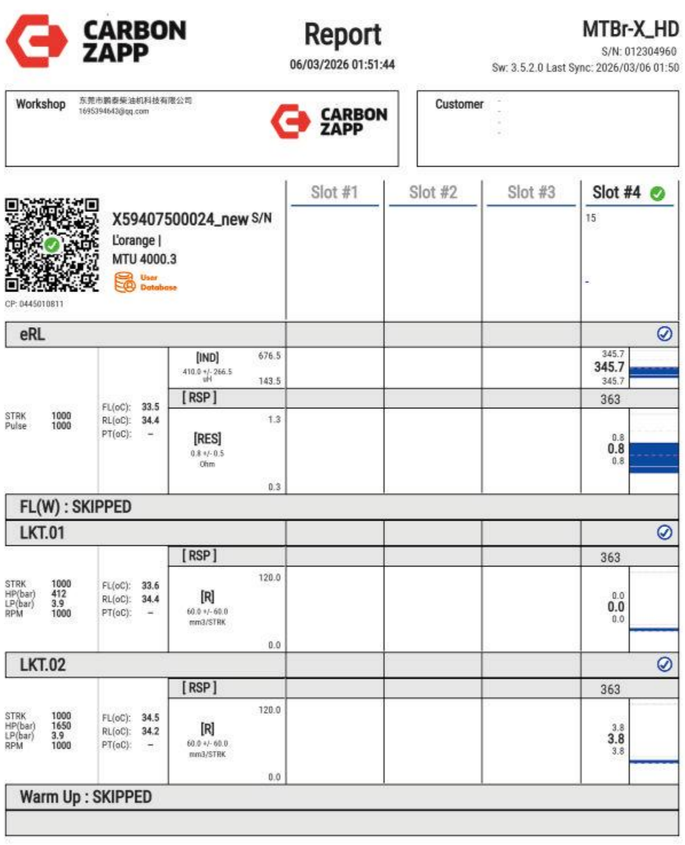


MFMTU 4000.3



MFMTU 2000

TEST REPORT



CARBON ZAPP

Report
06/03/2026 01:51:44

MTBr-X_HD
S/N: 012304960
Sw: 3.5.2.0 Last Sync: 2026/03/06 01:50

Workshop 东莞市鹏泰柴油机科技有限公司 16953946432@qq.com

Customer

X59407500024_new S/N
L'orange |
MTU 4000.3
User Database
CP: 0445010811

	Slot #1	Slot #2	Slot #3	Slot #4
				15

eRL

STRK 1000 Pulse 1000	FL(oC): 33.5 RL(oC): 34.4 PT(oC): –	[IND] 410.0 +/- 266.5 uH	676.5 143.5	345.7 345.7
		[RSP]		363
		[RES] 0.8 +/- 0.5 Ohm	1.3 0.3	0.8 0.8

FL(W) : SKIPPED

LKT.01

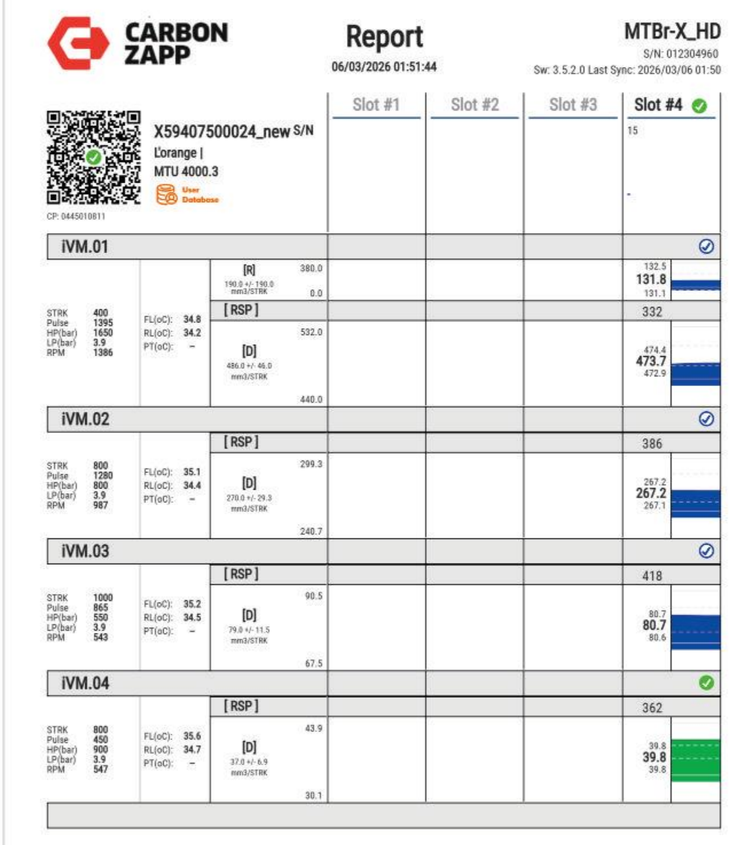
		[RSP]		363
STRK 1000 HP(bar) 412 LP(bar) 3.9 RPM 1000	FL(oC): 33.6 RL(oC): 34.4 PT(oC): –	[R] 60.0 +/- 60.0 mm3/STRK	120.0 0.0	0.0 0.0

LKT.02

		[RSP]		363
STRK 1000 HP(bar) 1650 LP(bar) 3.9 RPM 1000	FL(oC): 34.5 RL(oC): 34.2 PT(oC): –	[R] 60.0 +/- 60.0 mm3/STRK	120.0 0.0	3.8 3.8

Warm Up : SKIPPED

Page 1/4



CARBON ZAPP

Report
06/03/2026 01:51:44

MTBr-X_HD
S/N: 012304960
Sw: 3.5.2.0 Last Sync: 2026/03/06 01:50

X59407500024_new S/N
L'orange |
MTU 4000.3
User Database
CP: 0445010811

	Slot #1	Slot #2	Slot #3	Slot #4
				15

iVM.01

		[R] 190.0 +/- 190.0 mm3/STRK	380.0 0.0	132.5 131.8 131.1
		[RSP]		332
STRK 400 Pulse 1395 HP(bar) 1650 LP(bar) 3.9 RPM 1386	FL(oC): 34.8 RL(oC): 34.2 PT(oC): –	[D] 486.0 +/- 46.0 mm3/STRK	532.0 440.0	474.4 473.7 472.9

iVM.02

		[RSP]		386
STRK 800 Pulse 1280 HP(bar) 800 LP(bar) 3.9 RPM 987	FL(oC): 35.1 RL(oC): 34.4 PT(oC): –	[D] 270.0 +/- 29.3 mm3/STRK	299.3 240.7	267.2 267.2 267.1

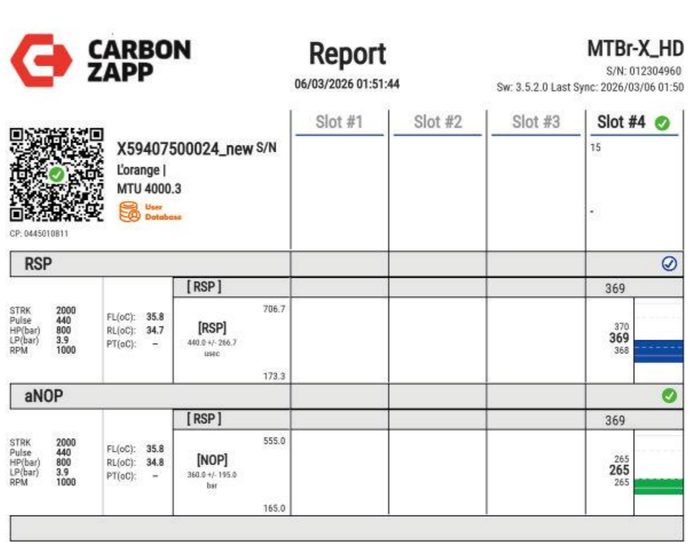
iVM.03

		[RSP]		418
STRK 1000 Pulse 865 HP(bar) 550 LP(bar) 3.9 RPM 543	FL(oC): 35.2 RL(oC): 34.5 PT(oC): –	[D] 79.0 +/- 11.5 mm3/STRK	90.5 67.5	80.7 80.7 80.6

iVM.04

		[RSP]		362
STRK 800 Pulse 450 HP(bar) 900 LP(bar) 3.9 RPM 547	FL(oC): 35.6 RL(oC): 34.7 PT(oC): –	[D] 37.0 +/- 6.9 mm3/STRK	43.9 30.1	39.8 39.8 39.8

Page 2/4



CARBON ZAPP

Report
06/03/2026 01:51:44

MTBr-X_HD
S/N: 012304960
Sw: 3.5.2.0 Last Sync: 2026/03/06 01:50

X59407500024_new S/N
L'orange |
MTU 4000.3
User Database
CP: 0445010811

	Slot #1	Slot #2	Slot #3	Slot #4
				15

RSP

		[RSP]		369
STRK 2000 Pulse 440 HP(bar) 800 LP(bar) 3.9 RPM 1000	FL(oC): 35.8 RL(oC): 34.7 PT(oC): –	[RSP] 440.0 +/- 266.7 usec	706.7 173.3	370 369 368

aNOP

		[RSP]		369
STRK 2000 Pulse 440 HP(bar) 800 LP(bar) 3.9 RPM 1000	FL(oC): 35.8 RL(oC): 34.8 PT(oC): –	[NOP] 360.0 +/- 195.0 bar	555.0 165.0	265 265 265

Page 3/4

TEST EQUIPMENT

Greece CARBON ZAPP MTBR-X

Scope of Application

- Comprehensive test bench supporting performance testing of EUI, HEUI, EUP and CRI Injectors and fuelpumps from leading manufacturers such as Delphi, Denso,Bosch, Cummins, Caterpillar and Roun;
- Factory-calibrated test procedure; test data complies withthe manufacturer's specifications.

Key features

- Precise static and dynamic testing of parameters such as common rail pressure, injection timing, injectionvolume, solenoid valve electrical parameters, return flow rate, responsetime and injection start pressure;
- Equipped with a function to generate fuel correction codes for fuel injectors.



COMPATIBLE FOR OTHER ENGINES



N70



S60/DDEC



EMD 645E-7B



EMD 710 (Tier 2)



5340/536



F2L2011/F3L2011



97/43T/97/28T



MFCummins QSB6.7



MFToyota Hilux 2KD-FTV



MFToyota 2GD-FTV



MFYC6TD/
MFLiebherr D9508



MFYC6C/
MFLiebherr D9512



MFKomatsu
SAA4D95LE



MFKomtasu SAA6D125E
SAA6D140E



MFHINO P11C

TEST REPORT

BOSCH

DCI injector test report

Test parameters

Test bench type	*Software version*	*Test plan*	*Print date*
DCI700	1.4.6.2507	Official Bosch	2/10/26
Test bench serial number	*Firmware version*	*Test source databank version*	*Printing time*
0540088148	1.3.2424-master.2120	1.4.6.2 2025/08	11:17 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 2/10/26 — *Time of result* 11:09 AM

Customer
Unavailable — *Number* --

Injector

Part number	*Type designation*	
0445120217	CRIN2-16	
Serial number	*Date of manufacture*	*Repair ID*
--	--	--
Encoding	*Slot*	
--	D	

Test result

Test steps successful	*Test steps unsuccessful*	*Remark*
6	1	--

Current encoding
CIA3DPAAAA

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	-- mm³/H	*Return quantity*		--	mm³/H
Quantity temperature	-- °C	*Return temperature*		--	°C
		Return pressure		--	kPa

Part number	Type designation	Serial number	Date of manufacture	Print date	Page
0445120217	CRIN2-16	--	--	2/10/26 / 11:17 AM	1 of 3

Test step number	2	*Test time*		180	s
Test step name	Warm Up	*Test result*	✓	Passed	
Injector actuation time	600 µs	*Rotational speed*		1650	1/min
Injector actuation frequency	2000 1/min	*Tank temperature*		39.6	°C
Rail pressure	160.1 MPa				
Injector quantity	57.7 mm³/H	*Return quantity*		16.8	mm³/H
Quantity temperature	62.1 °C	*Return temperature*		32.9	°C
		Return pressure		50	kPa

Test step number	3	*Test time*		60	s
Test step name	VL	*Test result*	✓	Passed	
Injector actuation time	2200 µs	*Rotational speed*		1650	1/min
Injector actuation frequency	400 1/min	*Tank temperature*		39.8	°C
Rail pressure	160.0 MPa				
Injector quantity	331.6 mm³/H	*Return quantity*		35.6	mm³/H
Quantity temperature	65.9 °C	*Return temperature*		32.8	°C
		Return pressure		51	kPa

Test step number	4	*Test time*		60	s
Test step name	EM	*Test result*	✓	Passed	
Injector actuation time	900 µs	*Rotational speed*		1650	1/min
Injector actuation frequency	600 1/min	*Tank temperature*		39.9	°C
Rail pressure	100.1 MPa				
Injector quantity	91.4 mm³/H	*Return quantity*		19.0	mm³/H
Quantity temperature	61.3 °C	*Return temperature*		32.8	°C
		Return pressure		56	kPa

Test step number	5	*Test time*		60	s
Test step name	LL	*Test result*	✓	Passed	
Injector actuation time	800 µs	*Rotational speed*		1650	1/min
Injector actuation frequency	1800 1/min	*Tank temperature*		40.1	°C
Rail pressure	25.1 MPa				
Injector quantity	7.3 mm³/H	*Return quantity*		6.3	mm³/H
Quantity temperature	53.0 °C	*Return temperature*		32.9	°C
		Return pressure		49	kPa

Test step number	6	*Test time*		60	s
Test step name	VE	*Test result*	✓	Passed	
Injector actuation time	250 µs	*Rotational speed*		1650	1/min
Injector actuation frequency	1800 1/min	*Tank temperature*		40.7	°C
Rail pressure	100.1 MPa				
Injector quantity	1.5 mm³/H	*Return quantity*		6.2	mm³/H
Quantity temperature	49.3 °C	*Return temperature*		33.0	°C
		Return pressure		50	kPa

Part number	Type designation	Serial number	Date of manufacture	Print date	Page
0445120217	CRIN2-16	--	--	2/10/26 / 11:17 AM	2 of 3

Test step number	7				
Test step name	IMA calculation	*Test result*	✓	Passed	

TEST EQUIPMENT

BOSCH DCI 700

Scope of Application

- Dedicated test bench for common-rail injectors, for testing Bosch CRIN 1/2/3/4 (electromagnetic/ piezoelectric)common-rail injectors;
- Factory-standard test procedures, with test data conforming to the manufacturer's specifications.

Key features

- Precise static and dynamic testing of parameters such as injection timing, injection volume, solenoid valve electrical parameters, return flow rate,and response time.
- Licensed original manufacturer testing software capable of generating fuel correction codes.



PUMP/INJECTOR PARTS



DSL NO. 6319-534 | OEM NO. 7207-066A/B



DSL NO. 6305-033 | OEM NO. 7206-0379



DSL NO. 6305-066 | OEM NO. 7135-588



DSL NO. 6807-105/6807-087



DSL NO. 6807-086 | OEM NO. LTO-U91/U9166LV51



DSL NO. 6807-064 | OEM NO. U9108a



DSL NO. 6404-011 | OEM NO. 173-9736



DSL NO. 6404-059 | OEM NO. 7E-3399



DSL NO. 6405-085 | OEM NO. 7135-0185



DSL NO. 6405-110



DSL NO. 6406-044 | OEM NO. 312-6019



DSL NO. 6406-229



DSL NO. 6406-130



DSL NO. 6406-134 | OEM NO. 312-5625



DSL NO. 6406-139



DSL NO. 6406-020 | OEM NO. 312-6018



DSL NO. 6505-052 | OEM NO. 4307454



DSL NO. 6505-073 | OEM NO. 3034407



DSL NO. 6505-049



DSL NO. 6505-050 | OEM NO. 3411711

PUMP/INJECTOR REPAIR KIT



C7C9 Injector



C7C9 Actuator Pump



C4.4/C6.4 Injector



C13 Injector



C-9 Injector



XPI Injector



M11/N14 Injector



E1/E3 Injector



0414799005 Unit Pump



D12 Injector



MFMTU4000.1 Injector



QSK19 Injector



S60 Injector



QSK50 fuel pump



Q23/60 Injector



A0/A3 Injector



MFGE Injector



NWSD Injector



F2 Injector

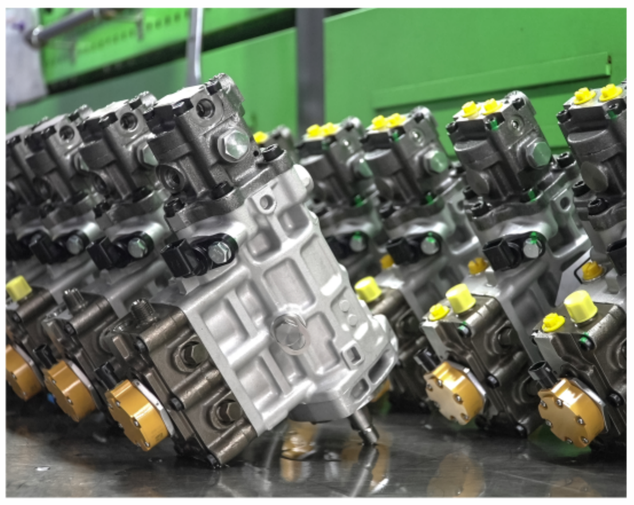


320D Actuator Pump

OUR PRODUCTION

Showcasing Our Factory's Capabilities













6 MAJOR APPLICATION FIELD



CONSTRUCTION EQUIPMENT



HEAVY-DUTY TRUCKS



AGRICULTURAL MACHINERY



GENERATOR SET



MARINE MACHINERY



DRILLING RIG

OUR JOURNEY

From 1996 ~ 2026

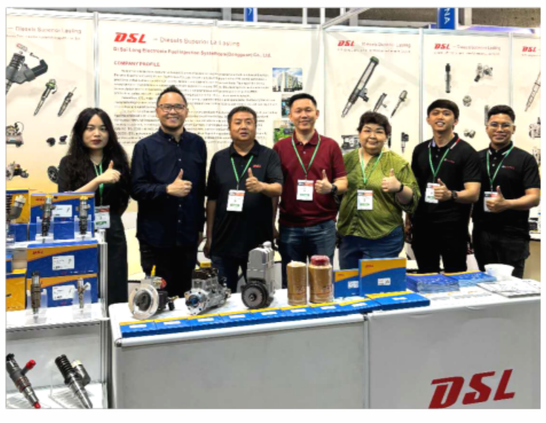


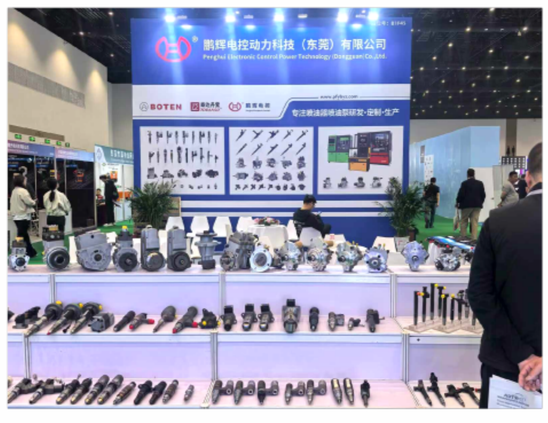


















ONE-STOP SOLUTION

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