

Responsible

GCL Diesel
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Checker:

Customer data

Tel.:
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Customer no.:

Common rail injector

Type number: 0986435574c
Manufacturer: Bosch
Actuation profile: 28V-12
Description: CRIN 3

Measurement results

Serial number: 1-5341

Test step	Actuation time (μ s)	Pressure (MPa)	Measurement time (s)	Injected fuel quantity		Return quantity		Evaluation
				Set value (mm ³ /H)	Actual value (mm ³ /H)	Set value (mm ³ /H)	Actual value (mm ³ /H)	
Leak test	0	180	60	---- \pm ----	----	24.5 \pm 24.5	7.43	✓
TP2	1700	180	60	154.3 \pm 11.2	----	34.5 \pm 24.5	----	—
TP4	700	60	30	28.1 \pm 10.1	----	---- \pm ----	----	—
TP3	800	25	30	10.4 \pm 9.1	----	---- \pm ----	----	—
VE	250	140	30	2.0 \pm 1.7	----	---- \pm ----	----	—

Comment: injector will not inject fuel

Serial number: 2-0596

Test step	Actuation time (μ s)	Pressure (MPa)	Measurement time (s)	Injected fuel quantity		Return quantity		Evaluation
				Set value (mm ³ /H)	Actual value (mm ³ /H)	Set value (mm ³ /H)	Actual value (mm ³ /H)	
Leak test	0	180	60	---- \pm ----	----	24.5 \pm 24.5	8.57	✓
TP2	1700	180	60	154.3 \pm 11.2	0.00	34.5 \pm 24.5	10.79	✗
TP4	700	60	30	28.1 \pm 10.1	0.00	---- \pm ----	----	✗
TP3	800	25	30	10.4 \pm 9.1	0.00	---- \pm ----	----	✗
VE	250	140	30	2.0 \pm 1.7	----	---- \pm ----	----	—

Comment: injector will not inject fuel

Serial number: 3-0595

Test step	Actuation time (μ s)	Pressure (MPa)	Measurement time (s)	Injected fuel quantity		Return quantity		Evaluation
				Set value (mm ³ /H)	Actual value (mm ³ /H)	Set value (mm ³ /H)	Actual value (mm ³ /H)	
Leak test	0	180	60	---- \pm ----	----	24.5 \pm 24.5	10.81	✓
TP2	1700	180	60	154.3 \pm 11.2	0.00	34.5 \pm 24.5	9.93	✗
TP4	700	60	30	28.1 \pm 10.1	----	---- \pm ----	----	—
TP3	800	25	30	10.4 \pm 9.1	----	---- \pm ----	----	—

Test step	Actuation time (μ s)	Pressure (MPa)	Measurement time (s)	Injected fuel quantity		Return quantity		Evaluation
				Set value (mm ³ /H)	Actual value (mm ³ /H)	Set value (mm ³ /H)	Actual value (mm ³ /H)	
VE	250	140	30	2.0 ± 1.7	----	---- ± ----	----	—
Comment: injector will not inject fuel.								

Serial number: 4-0620

Test step	Actuation time (μ s)	Pressure (MPa)	Measurement time (s)	Injected fuel quantity		Return quantity		Evaluation
				Set value (mm ³ /H)	Actual value (mm ³ /H)	Set value (mm ³ /H)	Actual value (mm ³ /H)	
Leak test	0	180	60	---- ± ----	----	24.5 ± 24.5	8.05	✓
TP2	1700	180	60	154.3 ± 11.2	0.00	34.5 ± 24.5	32.75	✗
TP4	700	60	30	28.1 ± 10.1	27.51	---- ± ----	----	✓
TP3	800	25	30	10.4 ± 9.1	8.32	---- ± ----	----	✓
VE	250	140	30	2.0 ± 1.7	2.39	---- ± ----	----	✓
Comment: injector will not inject fuel during TP2.								

Serial number: 5-0634

Test step	Actuation time (μ s)	Pressure (MPa)	Measurement time (s)	Injected fuel quantity		Return quantity		Evaluation
				Set value (mm ³ /H)	Actual value (mm ³ /H)	Set value (mm ³ /H)	Actual value (mm ³ /H)	
Leak test	0	180	60	---- ± ----	----	24.5 ± 24.5	14.30	✓
TP2	1700	180	60	154.3 ± 11.2	0.00	34.5 ± 24.5	42.39	✗
TP4	700	60	30	28.1 ± 10.1	----	---- ± ----	----	—
TP3	800	25	30	10.4 ± 9.1	----	---- ± ----	----	—
VE	250	140	30	2.0 ± 1.7	----	---- ± ----	----	—
Comment: injector will not inject fuel.								

Serial number: 6-0597

Test step	Actuation time (μ s)	Pressure (MPa)	Measurement time (s)	Injected fuel quantity		Return quantity		Evaluation
				Set value (mm ³ /H)	Actual value (mm ³ /H)	Set value (mm ³ /H)	Actual value (mm ³ /H)	
Leak test	0	180	60	---- ± ----	----	24.5 ± 24.5	8.63	✓
TP2	1700	180	60	154.3 ± 11.2	0.00	34.5 ± 24.5	40.26	✗
TP4	700	60	30	28.1 ± 10.1	----	---- ± ----	----	—
TP3	800	25	30	10.4 ± 9.1	----	---- ± ----	----	—
VE	250	140	30	2.0 ± 1.7	----	---- ± ----	----	—
Comment: injector will not inject fuel.								