



Customer

Simson Maxwell

Test facility

GCL Diesel Injection Service
15842-112 Ave NW
T5M 2W1 Edmonton

Customer number

Job number 488411

Telephone

780-453-6786

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Remark

Test user IVAN 168

Type number 0445020007	Type designation CR/CP3S3/L110/30-789	Rotat. sense. 	Compensation 	Supply 12V
Manufacturer Bosch	Component CP3	Control point 	Temperature 40 °C	
High-press. pipe	Adapter lead	Revision date 16.03.2010	Test-unit no.	

Complaint Fuel leaks

Problem Found no failures only normal wear on all seals and o-rings




Remark Pump passed all tests and found no leaks












#	1	Clean run						Flow meas.							
n	/min		°C		°C		°C		kPa	p	kPa		s		
→ ←	500	→ ←	40.0	→ ←	40.0	→ ←	45.0	→ ←	---		10.0		12		
	50	↓↑	1.0	↓↑	30.0	↓↑	1.0	↓↑	---		18		---		
=	500	=	35.7	=	35.7	=	---	=	---	=	---	=	12		
ΣQ	l/h	ΔQ	l/h		l/h	p ↔	MPa	ZME	A	ZME	Hz				
→ ←	---	→ ←	---	→ ←	---	→ ←	---	→ ←	0.40	→ ←	180				
↓↑	---			↓↑	---	↓↑	---								
=	32.3	=	1.3	=	46.5	=	0.2	=	0.400						
#	2	Warm up						Flow meas.					°C		
														=	40
n	/min		°C		°C		°C		kPa	p	kPa		s		
→ ←	2000	→ ←	40.0	→ ←	40.0	→ ←	45.0	→ ←	---		10.0		---		
	50	↓↑	1.0	↓↑	1.0	↓↑	1.0	↓↑	---		18		---		
=	2000	=	38.9	=	39.0	=	---	=	---	=	---	=	272		
ΣQ	l/h	ΔQ	l/h		l/h	p ↔	MPa	ZME	A	ZME	Hz				
→ ←	---	→ ←	---	→ ←	---	→ ←	25.00	→ ←	0.40	→ ←	180				
↓↑	---			↓↑	---	↓↑	15.0								
=	129.2	=	0.7	=	50.1	=	25.1	=	0.400						














Type number 0445020007	Type designation CR/CP3S3/L110/30-789	Rotat. sense. 	Compensation 	Supply 12V
Manufacturer Bosch	Component CP3	Type ZME	Control point 	Temperature 40 °C
High-press. pipe	Adapter lead	Revision date 16.03.2010	Test-unit no.	

# 3	Visual check									Uniform delivery		
n /min		°C		°C		°C		kPa	p	kPa		s
→ ← 2000	→ ← 40.0	→ ← 40.0	→ ← 40.0	→ ← 45.0	→ ← ---	→ ← ---	→ ← ---	→ ← ---		10.0		40
100	↓↑ 1.0	↓↑ 2.0	↓↑ 1.0	↓↑ ---	↓↑ ---	↓↑ ---	↓↑ ---	↓↑ ---		18		---
= 2000	= 39.7	= 39.7	= ---	= ---	= ---	= ---	= ---	= ---	=		=	40
ΣQ l/h	ΔQ l/h		l/h	p	MPa	ZME	A	ZME	Hz			
→ ← ---	→ ← ---	→ ← ---	→ ← ---	→ ← 30.00	→ ← 1.00	→ ← 180						
↓↑ ---	↓↑ ---	↓↑ ---	↓↑ ---	↓↑ 2.0	↓↑ 1.001							
= 127.0	= 0.8	= 45.8	= 29.9	= 1.001								
# 4	kenn . 1									Flow meas.		
n /min		°C		°C		°C		kPa	p	kPa		s
→ ← 3500	→ ← 40.0	→ ← 40.0	→ ← 40.0	→ ← 45.0	→ ← ---	→ ← ---	→ ← ---	→ ← ---		10.0		---
100	↓↑ 1.0	↓↑ 2.0	↓↑ 1.0	↓↑ ---	↓↑ ---	↓↑ ---	↓↑ ---	↓↑ ---		18		---
= 3500	= 41.1	= 40.1	= ---	= ---	= ---	= ---	= ---	= ---	=		=	70
ΣQ l/h	ΔQ l/h		l/h	p	MPa	ZME	A	ZME	Hz			
→ ← 210.3	→ ← ---	→ ← 40.0	→ ← 50.00	→ ← 0.40	→ ← 180							
↓↑ 18.0	↓↑ 16.0	↓↑ 2.0	↓↑ 50.0	↓↑ 0.400								
= 200.2	= 0.9	= 47.0	= 50.0	= 0.400								
# 5	Fill out									Flow meas.		
n /min		°C		°C		°C		kPa	p	kPa		s
→ ← 3500	→ ← 40.0	→ ← 40.0	→ ← 40.0	→ ← 45.0	→ ← ---	→ ← ---	→ ← ---	→ ← ---		10.0		20
100	↓↑ 1.0	↓↑ 2.0	↓↑ 1.0	↓↑ ---	↓↑ ---	↓↑ ---	↓↑ ---	↓↑ ---		18		---
= 3500	= 41.3	= 40.0	= ---	= ---	= ---	= ---	= ---	= ---	=		=	20
ΣQ l/h	ΔQ l/h		l/h	p	MPa	ZME	A	ZME	Hz			
→ ← ---	→ ← ---	→ ← ---	→ ← ---	→ ← 1.40	→ ← 180							
↓↑ ---	↓↑ ---	↓↑ ---	↓↑ ---	↓↑ ---	↓↑ 1.400							
= 107.8	= 17.0	= 46.5	= 0.8	= 1.400								
# 6	Zero delivery									Zero-delivery		












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High-press. pipe	Adapter lead	Revision date 16.03.2010	Test-unit no.	

n /min	 °C	 °C	 °C	 kPa	p kPa	 s
→← 3500	→← 40.0	→← 40.0	→← 45.0	→← ---	→← 10.0	→← ---
 100	↓↑ 1.0	↓↑ 2.0	↓↑ 1.0	↓↑ ---	 18	 10
= 3500	= 39.9	= 40.0	= ---	= ---	= ---	= 80
ΣQ l/h	ΔQ l/h	 l/h	p → MPa	 A	 Hz	Δp → MPa
→← 1.0	→← ---	→← ---	→← ---	→← 1.62	→← 180	→← 1.00
↓↑ 1.0	= 0.000	↓↑ ---	= 0.0	= 1.613	= ---	= 0.0
= 0.000	= 0.000	= 42.3	= 0.0	= 1.613	= ---	= 0.0

7 efficiency  Flow meas.

n /min	 °C	 °C	 °C	 kPa	p kPa	 s
→← 1000	→← 40.0	→← 40.0	→← 45.0	→← ---	→← 10.0	→← ---
 100	↓↑ 1.0	↓↑ 2.0	↓↑ 1.0	↓↑ ---	 18	 ---
= 1000	= 41.1	= 40.0	= ---	= ---	= ---	= 70
ΣQ l/h	ΔQ l/h	 l/h	p → MPa	 A	 Hz	
→← 58.8	→← ---	→← ---	→← 160.0	→← 0.40	→← 180	
↓↑ 6.4	= 1.0	↓↑ ---	↓↑ 1.0	= 0.400	= ---	
= 54.3	= 1.0	= 58.5	= 160.0	= 0.400	= ---	

8 start  Flow meas.

n /min	 °C	 °C	 °C	 kPa	p kPa	 s
→← 180	→← 40.0	→← 40.0	→← 45.0	→← ---	→← 10.0	→← ---
 100	↓↑ 1.0	↓↑ 2.0	↓↑ 1.0	↓↑ ---	 18	 ---
= 180	= 40.2	= 40.0	= ---	= ---	= ---	= 70
ΣQ l/h	ΔQ l/h	 l/h	p → MPa	 A	 Hz	
→← 10.2	→← ---	→← ---	→← 20.00	→← 0.40	→← 180	
↓↑ 1.5	= 2.0	↓↑ ---	↓↑ 2.0	= 0.400	= ---	
= 10.8	= 2.0	= 13.3	= 20.1	= 0.400	= ---	