

The Injector Shop

Injector Flow Data Sheet

Date 3/21/2020
Customer Name Gary Farias
Vehicle Opel Senator
Year 1984
Engine Size 3
Injector Number 280150152

Test Pressure 3bar / 43.5psi

Test Performed	Injector #							
	1	2	3	4	5	6	7	8
Resistance	2.4	2.4	2.4	2.4	2.4	2.4		
Leak Test	no pass	pass	pass	pass	pass	no pass		
	pass	pass	pass	pass	pass	pass		
Spray Pattern	poor	poor	poor	poor	poor	poor		
	good	good	good	good	good	good		
Dynamic Flow cc	66	66	68	69	69	70		
	75	75	74	74	74	74		
Static Flow cc	122	125	127	124	129	128		
	128	128	128	127	129	128		
cc/min @3 bar	256	256	256	254	258	256		
Dynamic Variation	Before		5.6%		After		1%	

Grey color are test results prior to cleaning

Dynamic Test Parameter	
RPM	2400
Pulse Duration	6ms
Time	40 seconds
Pressure	3bar / 43.5psi
Pump output %	37

Static Test Parameter	
RPM	Open
Pulse Duration	Open
Time	60 seconds
Pressure	3bar / 43.5psi
Pump output %	50

Notes:

Spray patterns on all injectors very "stringy" prior to cleaning. All good after.
 #1 and 6 injectors leaked down after pulse prior to cleaning. All good after.
 All injectors picked up considerable flow after cleaning.
 Resistance OK
 New filters lower caps and seals installed.
 Injectors oiled internally and are ready for install
 Thanks!