					& Time			Reg No Issue	
				2005-02-23 13:32:43					
				Engi				Test Req No	
VOLVO			E3 Injection Test			13		3706-0148-ALD	
		Lo injection rest			Page	Project No	Engine No		
Volvo Powertrain						1(2)	3132	13-102	
						Test ID	'	Injector Supplier	
						IR01_200	5-02-23_02	2 Delphi	
Requested by (dep	, name, phone loc)				Conduct	ed by (dep, name	e, phone, loc)		
24427 P-A Bri	unsten 74698 BC4				24477	Mikael Frykb	erg 75119 U3		
njector Art No (Vo	Ivo part No)		Injector Issue	Injector Version	Testplan	Drawing No	Testplan Iss	ue	
20536901			B01	E3					
Prestroke (mm)	Lift (mm)	Rate(mm/	deg)	Nozzle	Type of	test			
0,75	17	0,42			2200 I	LLP			

Test 1								
Speed [rpm]		Peak Pressure [Bar]	Tol ±	Nom. Fueling [mm3/inj]	Tol [%]	±	Nom Rise time	Tol ±
600		1010	0	307.5	3.0		0	0
Injector No	No	Peak Pressure [Bar]	Dev	Fueling [mm3/inj]	Dev.±%	Ď	Rise time [µs]	Dev
406062	1	1105	95	301.1	-2.1	OK	13283	13283
406063	2	1147	137	290.5	-5.5	NOK	13250	13250
406064	3	1096	86	294.9	-4.1	NOK	13276	13276
406065	4	1092	82	297.7	-3.2	NOK	13223	13223
406066	5	1087	77	292.4	-4.9	NOK	13259	13259
406067	6	1077	67	290.9	-5.4	NOK	13260	13260
Average:		1101	91	294.6	-4.2		13259	13259
Max		1147	137	301.1	-2.1		13283	13283
Min		1077	67	290.5	-5.5		13223	13223
Diff.		70	70	10.6	3.4		60	60

Test 2								
Speed [rpm]		Peak Pressure [Bar]	Tol ±	Nom. Fueling [mm3/inj]	Tol [%]	±	Nom Rise time	: Tol ±
600		796	0	163.6	3.0		0	0
Injector No	No	Peak Pressure [Bar]	Dev	Fueling [mm3/inj]	Dev.±%)	Rise time [µs]	Dev
406062	1	891	95	163.3	-0.2	OK	13087	13087
406063	2	893	97	153.0	-6.5	NOK	13082	13082
406064	3	862	66	154.7	-5.4	NOK	13116	13116
406065	4	866	70	158.1	-3.4	NOK	13094	13094
406066	5	842	46	149.8	-8.4	NOK	13133	13133
406067	6	848	52	153.8	-6.0	NOK	13099	13099
Average:		867	71	155.5	-5.0		13102	13102
Max		893	97	163.3	-0.2		13133	13133
Min		842	46	149.8	-8.4		13082	13082
Diff.		51	51	13.5	8.3		51	51

Test 3								
Speed [rpm]		Peak Pressure [Bar]	Tol ±	Nom. Fueling [mm3/inj]	Tol [%]	±	Nom Rise time	Tol ±
250		422	0	53.3	35.0		0	0
Injector No	No	Peak Pressure [Bar]	Dev	Fueling [mm3/inj]	Dev.±%)	Rise time [µs]	Dev
406062	1	453	31	54.5	2.3	OK	38146	38146
406063	2	461	39	50.8	-4.7	OK	38128	38128
406064	3	439	17	51.6	-3.2	OK	38204	38204
406065	4	426	4	53.0	-0.6	OK	38176	38176
406066	5	405	-17	50.1	-6.0	OK	38210	38210
406067	6	411	-11	51.5	-3.4	OK	38192	38192
Average:		433	11	51.9	-2.6		38176	38176
Max		461	39	54.5	2.3		38210	38210
Min		405	-17	50.1	-6.0		38128	38128
Diff.		56	56	4.4	8.3		82	82

Test 4								
Speed [rpm]		Peak Pressure [Bar]	Tol ±	Nom. Fueling [mm3/inj]	Tol [%	[o] ±	Nom Rise time	: Tol ±
850		1619	0	318.8	3.0		0	0
Injector No	No	Peak Pressure [Bar]	Dev	Fueling [mm3/inj]	Dev.±	%	Rise time [µs]	Dev
406062	1	1779	160	316.4	-0.8	OK	9553	9553
406063	2	1746	127	305.1	-4.3	NOK	9543	9543
406064	3	1747	128	305.3	-4.2	NOK	9556	9556
406065	4	1725	106	307.3	-3.6	NOK	9535	9535
406066	5	1735	116	301.5	-5.4	NOK	9589	9589
406067	6	1738	119	303.1	-4.9	NOK	9533	9533
Average:		1745	126	306.4	-3.9		9552	9552
Max		1779	160	316.4	-0.8		9589	9589
Min		1725	106	301.5	-5.4		9533	9533
Diff.		54	54	14.9	4.7		56	56