



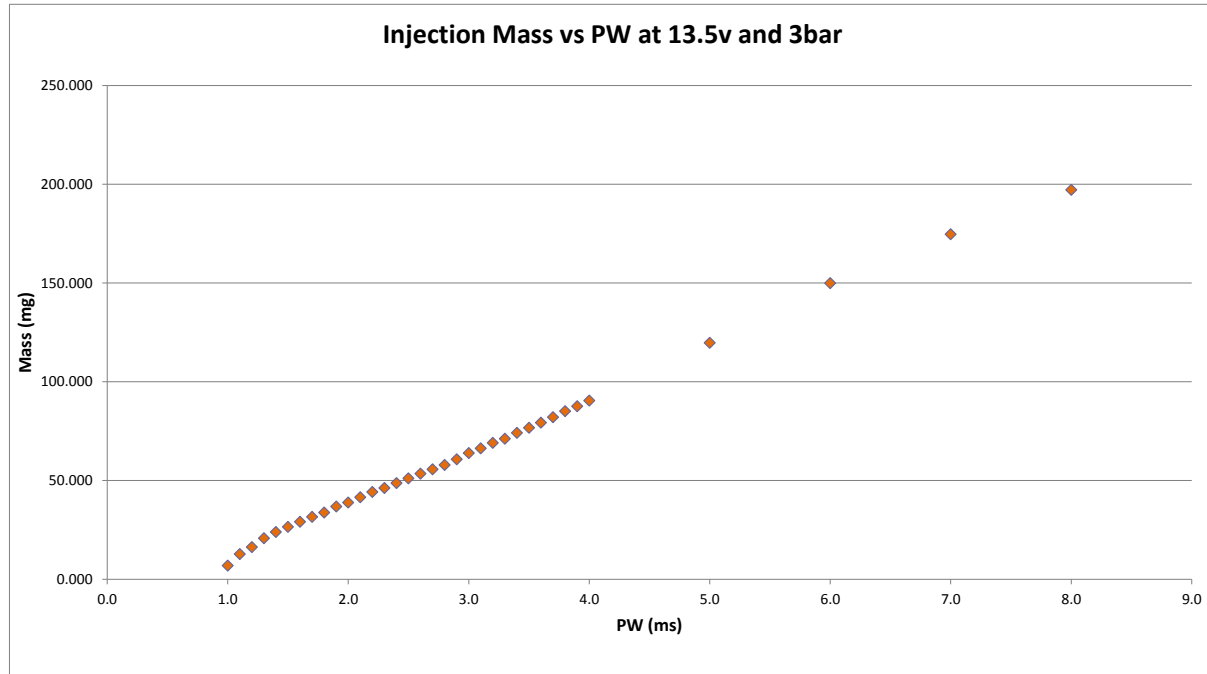
Fuel Injector Characterization Summary

DW PN: 16S-XX-2200-X

Pulsed Flow Data (3bar,13.5v)				Linearity
Pulse Width (ms)	Volumetric (cc/shot)	Gravimetric (mg/shot)	% Mass Deviation	
1.0	0.0093	6.927	-18.76%	NON LINEAR RANGE
1.1	0.0171	12.794	13.48%	
1.2	0.0218	16.289	16.18%	
1.3	0.0278	20.782	23.95%	
1.4	0.0320	23.965	22.82%	
1.5	0.0354	26.524	19.16%	
1.6	0.0389	29.145	16.56%	
1.7	0.0421	31.547	13.68%	
1.8	0.0451	33.763	10.71%	
1.9	0.0492	36.821	10.76%	
2.0	0.0518	38.818	7.86%	LINEAR RANGE
2.1	0.0554	41.502	7.14%	
2.2	0.0590	44.185	6.51%	
2.3	0.0617	46.224	4.51%	
2.4	0.0650	48.679	3.63%	
2.5	0.0682	51.081	2.73%	
2.6	0.0714	53.484	1.94%	
2.7	0.0743	55.668	0.82%	
2.8	0.0773	57.853	-0.19%	
2.9	0.0812	60.786	0.13%	
3.0	0.0853	63.875	0.67%	
3.1	0.0885	66.309	0.17%	
3.2	0.0922	69.024	0.11%	
3.3	0.0951	71.208	-0.67%	
3.4	0.0990	74.172	-0.36%	
3.5	0.1024	76.669	-0.67%	
3.6	0.1058	79.259	-0.84%	
3.7	0.1095	82.036	-0.78%	
3.8	0.1137	85.156	-0.31%	
3.9	0.1170	87.653	-0.59%	
4.0	0.1208	90.461	-0.50%	
5.0	0.1598	119.699	1.12%	
6.0	0.2003	149.967	2.83%	
7.0	0.2332	174.650	0.78%	
8.0	0.2633	197.179	-1.79%	
SLOPE (cc/min)		2150		

Static Flow Data					
Differential Pressure			Flow		
Bar	kPa	PSI	cc/min	lb/hr	g/s
2	200	29.0	1816	173.0	22.67
3	300	43.5	2245	213.8	28.02
4	400	58.0	2740	260.9	34.19
5	500	72.5	2898	276.0	36.17

Battery Offset					
	8 volts	10 volts	12 volts	14 volts	16 volts
2bar	1.393	0.977	0.637	0.372	0.182
3bar	1.620	1.125	0.735	0.450	0.270
4bar	1.809	1.276	0.847	0.576	0.452
5bar	1.999	1.473	1.070	0.791	0.635



NOTES

All mass values (gravimetric) are calculated for pump gas using SG of 0.749
 Application specific calibration summaries are also available
 Data on calibration summaries may vary slightly from data on this sheet due to in-car optimization rev