



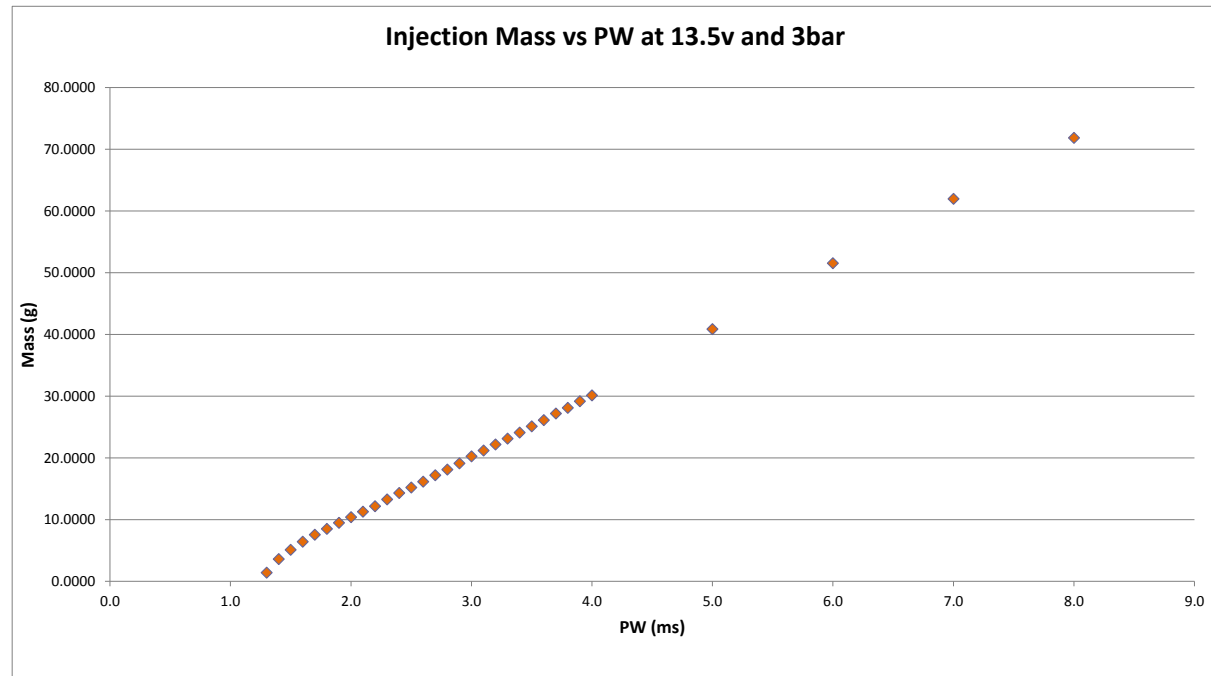
Fuel Injector Characterization Summary

DW PN: 18U-XX-0078-X, 18U-XX-0800-X

Pulsed Flow Data (3bar, 13.5v)				Linearity
Pulse Width (ms)	Volumetric (cc/shot)	Gravimetric (mg/shot)	% Mass Deviation	
1.0	Below limits of detection			NON LINEAR RANGE
1.1				
1.2				
1.3	0.0019	1.404	-36.82%	
1.4	0.0048	3.588	9.89%	
1.5	0.0068	5.086	18.05%	
1.6	0.0085	6.397	19.53%	
1.7	0.0101	7.551	18.09%	
1.8	0.0113	8.488	14.12%	
1.9	0.0126	9.455	11.49%	
2.0	0.0139	10.391	9.11%	
2.1	0.0150	11.265	6.61%	
2.2	0.0163	12.170	4.82%	
2.3	0.0177	13.262	4.81%	
2.4	0.0191	14.292	4.35%	
2.5	0.0203	15.196	3.10%	
2.6	0.0215	16.133	2.22%	
2.7	0.0229	17.162	2.01%	
2.8	0.0242	18.098	1.29%	
2.9	0.0255	19.097	0.98%	
3.0	0.0270	20.220	1.33%	
3.1	0.0283	21.188	0.91%	
3.2	0.0296	22.155	0.52%	
3.3	0.0309	23.122	0.17%	
3.4	0.0322	24.090	-0.15%	
3.5	0.0335	25.088	-0.32%	
3.6	0.0349	26.118	-0.36%	
3.7	0.0363	27.179	-0.28%	
3.8	0.0375	28.084	-0.76%	
3.9	0.0390	29.176	-0.56%	
4.0	0.0402	30.112	-0.90%	
5.0	0.0545	40.846	0.08%	
6.0	0.0688	51.518	0.53%	
7.0	0.0828	61.971	0.48%	
8.0	0.0959	71.832	-0.38%	
SLOPE (cc/min)		838		

Static Flow Data					
Differential Pressure			Flow		
Bar	kPa	PSI	cc/min	lb/hr	g/s
2	200	29.0	672	64.0	8.39
3	300	43.5	844	80.4	10.54
4	400	58.0	983	93.6	12.27
5	500	72.5	1122	106.9	14.01

Battery Offset					
	8 volts	10 volts	12 volts	14 volts	16 volts
2bar	2.189	1.574	1.095	0.751	0.542
3bar	2.389	1.765	1.276	0.923	0.707
4bar	2.690	1.984	1.432	1.034	0.791
5bar	2.969	2.174	1.576	1.176	0.973



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