



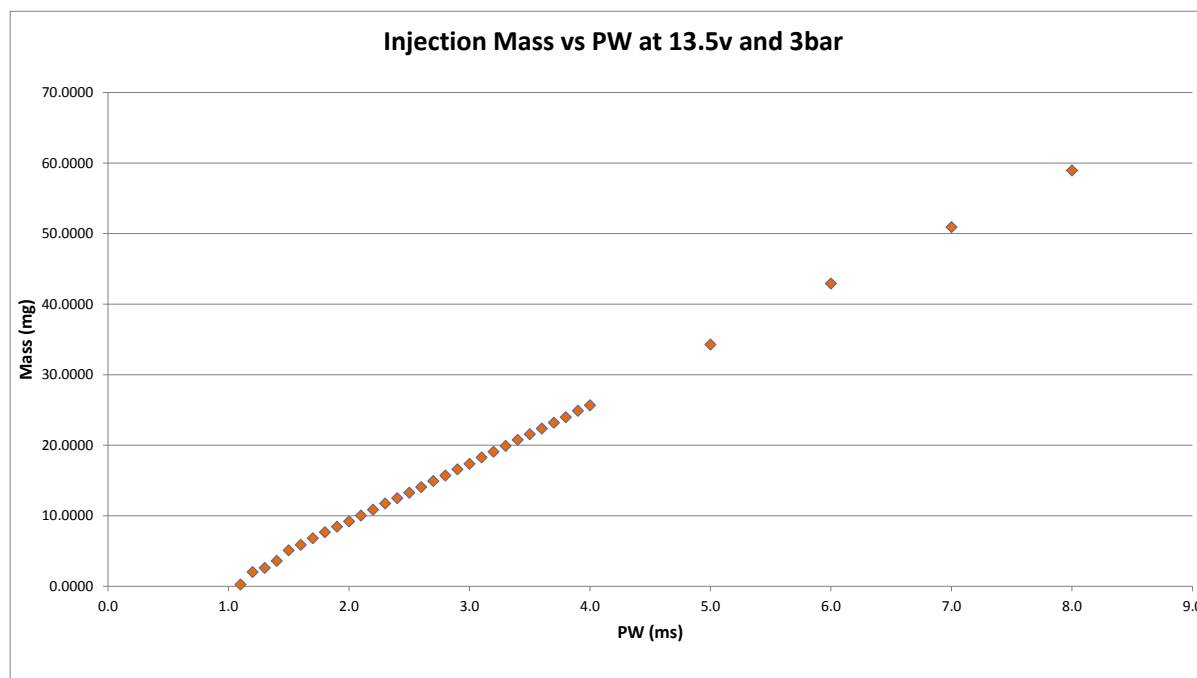
Fuel Injector Characterization Summary

DW PN: 18U-XX-0060-X, 18U-XX-0650-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	0.0003	0.250	-83.11%	
1.2	0.0027	2.028	-12.39%	
1.3	0.0035	2.621	-16.84%	
1.4	0.0048	3.588	-10.04%	
1.5	0.0068	5.086	5.39%	
1.6	0.0078	5.866	3.58%	LINEAR RANGE
1.7	0.0091	6.803	4.65%	
1.8	0.0103	7.676	4.62%	
1.9	0.0113	8.456	3.45%	
2.0	0.0123	9.205	2.15%	
2.1	0.0134	10.017	1.70%	
2.2	0.0145	10.859	1.62%	
2.3	0.0157	11.733	1.82%	
2.4	0.0167	12.482	0.98%	
2.5	0.0177	13.262	0.49%	
2.6	0.0188	14.073	0.28%	
2.7	0.0199	14.916	0.30%	
2.8	0.0210	15.696	-0.08%	
2.9	0.0221	16.569	0.14%	
3.0	0.0232	17.350	-0.19%	
3.1	0.0244	18.254	0.19%	
3.2	0.0255	19.066	0.05%	
3.3	0.0266	19.908	0.07%	
3.4	0.0277	20.751	0.10%	
3.5	0.0288	21.562	-0.03%	
3.6	0.0299	22.373	-0.14%	
3.7	0.0310	23.185	-0.25%	
3.8	0.0320	23.965	-0.48%	
3.9	0.0332	24.870	-0.19%	
4.0	0.0343	25.650	-0.40%	
5.0	0.0458	34.262	0.40%	
6.0	0.0573	42.906	0.97%	
7.0	0.0680	50.925	0.12%	
8.0	0.0787	58.945	-0.49%	
SLOPE (cc/min)		667		

Static Flow Data					
Differential Pressure			Flow		
Bar	kPa	PSI	cc/min	lb/hr	g/s
2	200	29.0	545	51.9	6.80
3	300	43.5	681	64.8	8.50
4	400	58.0	793	75.5	9.89
5	500	72.5	898	85.5	11.21

Battery Offset					
	8 volts	10 volts	12 volts	14 volts	16 volts
2bar	1.828	1.340	0.943	0.636	0.420
3bar	2.078	1.498	1.051	0.735	0.551
4bar	2.242	1.644	1.186	0.866	0.686
5bar	2.368	1.818	1.368	1.021	0.775



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