



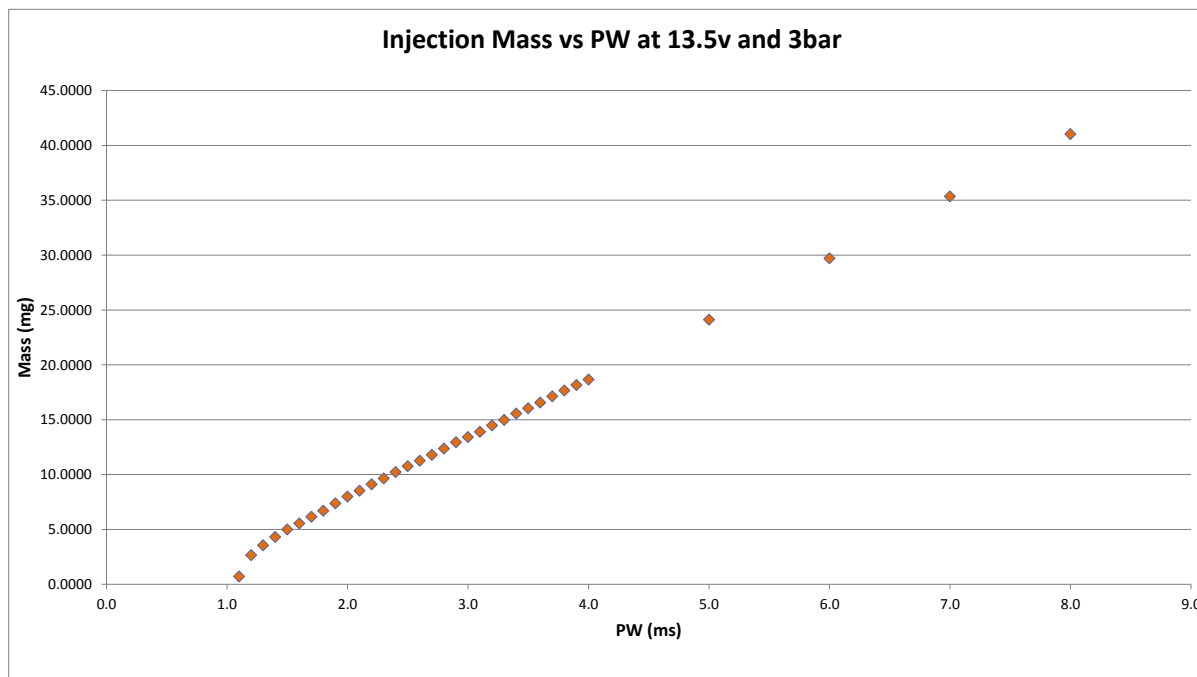
Fuel Injector Characterization Summary

DW PN: 17U-XX-0042-X, 17U-XX-0450-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	0.0010	0.718	-74.40%	
1.2	0.0035	2.652	-20.93%	
1.3	0.0048	3.557	-8.93%	
1.4	0.0058	4.306	-3.39%	
1.5	0.0067	4.993	-0.33%	
1.6	0.0074	5.554	-0.11%	
1.7	0.0082	6.147	0.58%	
1.8	0.0090	6.709	0.68%	
1.9	0.0098	7.364	2.07%	
2.0	0.0107	7.988	2.85%	LINEAR RANGE
2.1	0.0114	8.519	2.41%	
2.2	0.0122	9.112	2.73%	
2.3	0.0129	9.642	2.35%	
2.4	0.0137	10.235	2.63%	
2.5	0.0144	10.765	2.29%	
2.6	0.0150	11.265	1.71%	
2.7	0.0158	11.795	1.45%	
2.8	0.0165	12.357	1.46%	
2.9	0.0173	12.950	1.73%	
3.0	0.0179	13.418	1.03%	
3.1	0.0185	13.886	0.38%	
3.2	0.0193	14.479	0.65%	
3.3	0.0200	14.978	0.28%	
3.4	0.0208	15.571	0.54%	
3.5	0.0214	16.039	0.00%	
3.6	0.0221	16.569	-0.13%	
3.7	0.0229	17.131	-0.06%	
3.8	0.0236	17.662	-0.18%	
3.9	0.0243	18.161	-0.46%	
4.0	0.0249	18.660	-0.73%	
5.0	0.0322	24.121	-0.79%	
6.0	0.0397	29.706	-0.40%	
7.0	0.0472	35.354	0.04%	
8.0	0.0548	41.033	0.43%	
SLOPE (cc/min)		449		

Static Flow Data					
Differential Pressure			Flow		
Bar	kPa	PSI	cc/min	lb/hr	g/s
2	200	29.0	363	34.6	4.53
3	300	43.5	464	44.2	5.79
4	400	58.0	547	52.1	6.83
5	500	72.5	618	58.8	7.71

Battery Offset					
	8 volts	10 volts	12 volts	14 volts	16 volts
2bar	1.278	0.983	0.729	0.514	0.340
3bar	1.468	1.093	0.802	0.581	0.378
4bar	1.572	1.162	0.840	0.606	0.416
5bar	1.759	1.265	0.886	0.619	0.454



NOTES

All mass values (gravimetric) are calculated for pump gas using SG of 0.749

Application specific calibration summaries are also available (visit website or inquire with tech support)

Data on calibration summaries may vary slightly from data on this sheet due to in-car optimization

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