



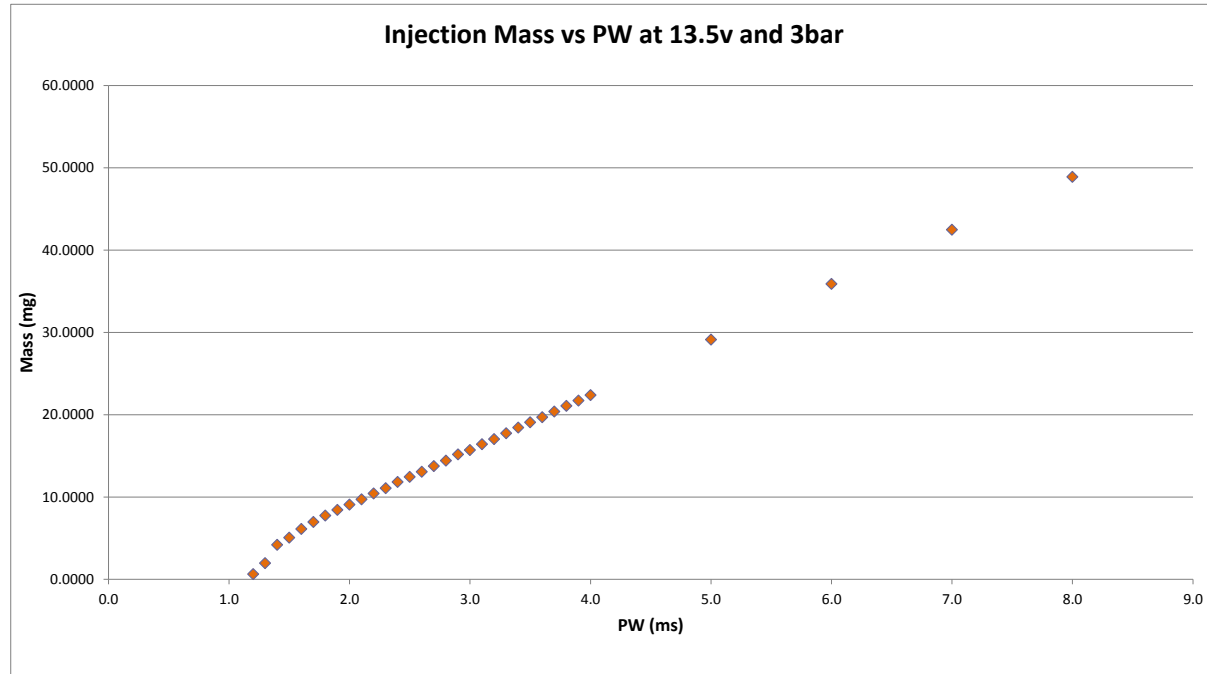
## Fuel Injector Characterization Summary

### DW PN: 17U-XX-0050-X, 17U-xx-0550-X

Pulsed Flow Data (3bar, 13.5v)				
Pulse Width (ms)	Volumetric (cc/shot)	Gravimetric (mg/shot)	% Mass Deviation	Linearity
1.0	Below limits of detection			NON LINEAR RANGE
1.1				
1.2	0.0008	0.624	-83.31%	
1.3	0.0026	1.966	-55.38%	
1.4	0.0056	4.181	-17.56%	
1.5	0.0068	5.055	-11.91%	
1.6	0.0082	6.116	-4.51%	
1.7	0.0093	6.959	-1.60%	
1.8	0.0103	7.739	0.01%	
1.9	0.0113	8.425	0.25%	
2.0	0.0121	9.080	0.10%	
2.1	0.0130	9.704	-0.34%	
2.2	0.0139	10.422	0.18%	
2.3	0.0148	11.077	0.07%	
2.4	0.0158	11.826	0.76%	
2.5	0.0166	12.450	0.38%	
2.6	0.0175	13.075	0.04%	
2.7	0.0184	13.761	0.18%	
2.8	0.0193	14.416	0.10%	
2.9	0.0203	15.165	0.64%	
3.0	0.0210	15.696	-0.25%	
3.1	0.0219	16.413	0.07%	
3.2	0.0228	17.037	-0.18%	
3.3	0.0237	17.755	0.12%	
3.4	0.0246	18.431	0.16%	
3.5	0.0255	19.066	-0.01%	
3.6	0.0263	19.690	-0.22%	
3.7	0.0272	20.376	-0.12%	
3.8	0.0281	21.063	-0.02%	
3.9	0.0290	21.718	-0.07%	
4.0	0.0299	22.373	-0.12%	
5.0	0.0389	29.113	0.17%	
6.0	0.0479	35.885	0.44%	
7.0	0.0567	42.469	0.18%	
8.0	0.0653	48.897	-0.33%	
<b>SLOPE (cc/min)</b>		<b>532</b>		

Static Flow Data					
Differential Pressure			Flow		
Bar	kPa	PSI	cc/min	lb/hr	g/s
2	200	29.0	446	42.5	5.57
3	300	43.5	543	51.7	6.77
4	400	58.0	626	59.6	7.81
5	500	72.5	704	67.1	8.79

Battery Offset					
	8 volts	10 volts	12 volts	14 volts	16 volts
2bar	1.723	1.165	0.723	0.398	0.190
3bar	1.849	1.268	0.804	0.457	0.226
4bar	2.058	1.418	0.915	0.549	0.320
5bar	2.551	1.709	1.077	0.656	0.445



**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  
 rev 4/18/2018