



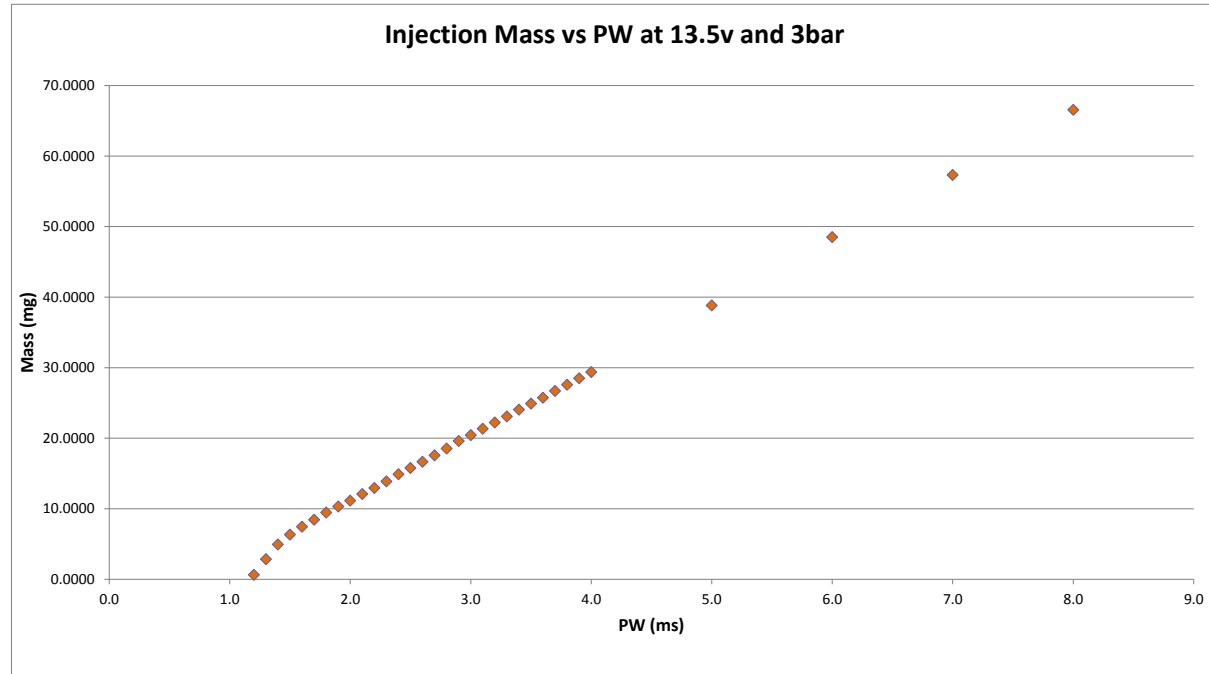
Fuel Injector Characterization Summary

DW PN: 17U-XX-0072-X, 17U-XX-0750-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	Below limits of detection			
1.2	0.0008	0.624	-82.66%	
1.3	0.0038	2.840	-37.26%	
1.4	0.0066	4.930	-9.59%	
1.5	0.0085	6.334	-0.72%	LINEAR RANGE
1.6	0.0100	7.458	2.06%	
1.7	0.0113	8.456	2.69%	
1.8	0.0126	9.455	3.20%	
1.9	0.0138	10.329	2.37%	
2.0	0.0149	11.140	1.12%	
2.1	0.0161	12.076	1.11%	
2.2	0.0173	12.950	0.61%	
2.3	0.0185	13.886	0.63%	
2.4	0.0199	14.884	1.08%	
2.5	0.0211	15.789	0.87%	
2.6	0.0223	16.663	0.50%	
2.7	0.0235	17.568	0.34%	
2.8	0.0248	18.535	0.54%	
2.9	0.0262	19.596	1.21%	
3.0	0.0273	20.439	0.74%	
3.1	0.0285	21.344	0.60%	
3.2	0.0297	22.217	0.33%	
3.3	0.0308	23.091	0.09%	
3.4	0.0321	24.058	0.25%	
3.5	0.0333	24.901	-0.10%	
3.6	0.0344	25.743	-0.42%	
3.7	0.0357	26.711	-0.26%	
3.8	0.0368	27.584	-0.44%	
3.9	0.0380	28.489	-0.51%	
4.0	0.0392	29.363	-0.67%	
5.0	0.0518	38.818	-0.04%	
6.0	0.0648	48.522	0.86%	
7.0	0.0765	57.322	-0.10%	
8.0	0.0889	66.558	-0.14%	
SLOPE (cc/min)		744		

Static Flow Data					
Differential Pressure			Flow		
Bar	kPa	PSI	cc/min	lb/hr	g/s
2	200	29.0	627	59.7	7.83
3	300	43.5	762	72.6	9.51
4	400	58.0	876	83.5	10.94
5	500	72.5	990	94.3	12.36

Battery Offset					
	8 volts	10 volts	12 volts	14 volts	16 volts
2bar	1.880	1.282	0.817	0.485	0.285
3bar	2.114	1.489	1.004	0.660	0.455
4bar	2.395	1.703	1.171	0.799	0.587
5bar	2.684	1.893	1.304	0.917	0.731



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