



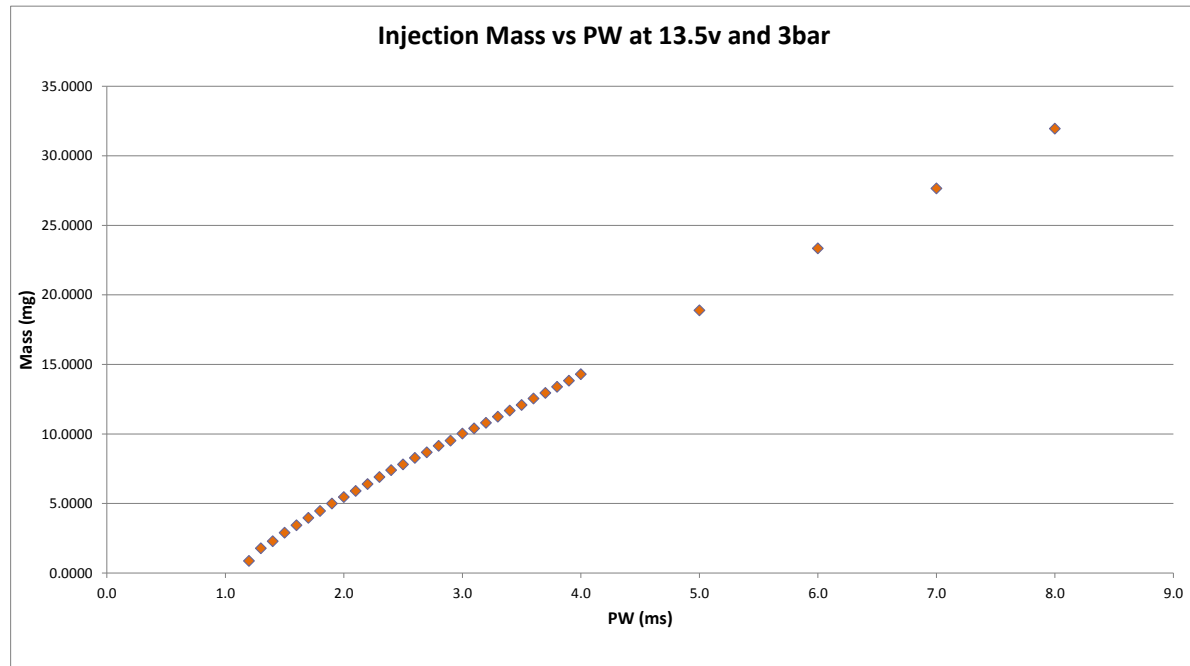
Fuel Injector Characterization Summary

DW PN: 18U-XX-0035-X, 18U-XX-0350-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	0.0012	0.874	-54.89%	
1.3	0.0024	1.779	-25.26%	
1.4	0.0030	2.278	-19.30%	
1.5	0.0039	2.902	-11.13%	
1.6	0.0046	3.432	-7.44%	LINEAR RANGE
1.7	0.0053	3.963	-4.54%	
1.8	0.0060	4.462	-2.87%	
1.9	0.0067	4.993	-0.88%	
2.0	0.0073	5.461	-0.35%	
2.1	0.0079	5.898	-0.43%	
2.2	0.0085	6.397	0.49%	
2.3	0.0092	6.896	1.29%	
2.4	0.0099	7.395	1.98%	
2.5	0.0104	7.801	1.39%	
2.6	0.0110	8.269	1.62%	
2.7	0.0116	8.675	1.10%	
2.8	0.0122	9.143	1.33%	
2.9	0.0127	9.517	0.54%	
3.0	0.0134	10.017	1.09%	
3.1	0.0139	10.391	0.38%	
3.2	0.0144	10.797	0.02%	
3.3	0.0150	11.234	-0.04%	
3.4	0.0156	11.670	-0.09%	
3.5	0.0161	12.076	-0.39%	
3.6	0.0168	12.544	-0.18%	
3.7	0.0173	12.950	-0.46%	
3.8	0.0179	13.387	-0.49%	
3.9	0.0185	13.823	-0.51%	
4.0	0.0191	14.292	-0.32%	
5.0	0.0252	18.879	0.60%	
6.0	0.0312	23.341	0.62%	
7.0	0.0369	27.647	0.08%	
8.0	0.0427	31.953	-0.31%	
SLOPE (cc/min)		353		

Static Flow Data					
Differential Pressure			Flow		
Bar	kPa	PSI	cc/min	lb/hr	g/s
2	200	29.0	289	27.5	3.61
3	300	43.5	356	33.9	4.44
4	400	58.0	410	39.0	5.11
5	500	72.5	459	43.7	5.72

Battery Offset					
	8 volts	10 volts	12 volts	14 volts	16 volts
2bar	1.796	1.246	0.820	0.519	0.343
3bar	1.912	1.370	0.943	0.628	0.428
4bar	2.066	1.480	1.019	0.683	0.471
5bar	2.372	1.669	1.130	0.753	0.540



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