



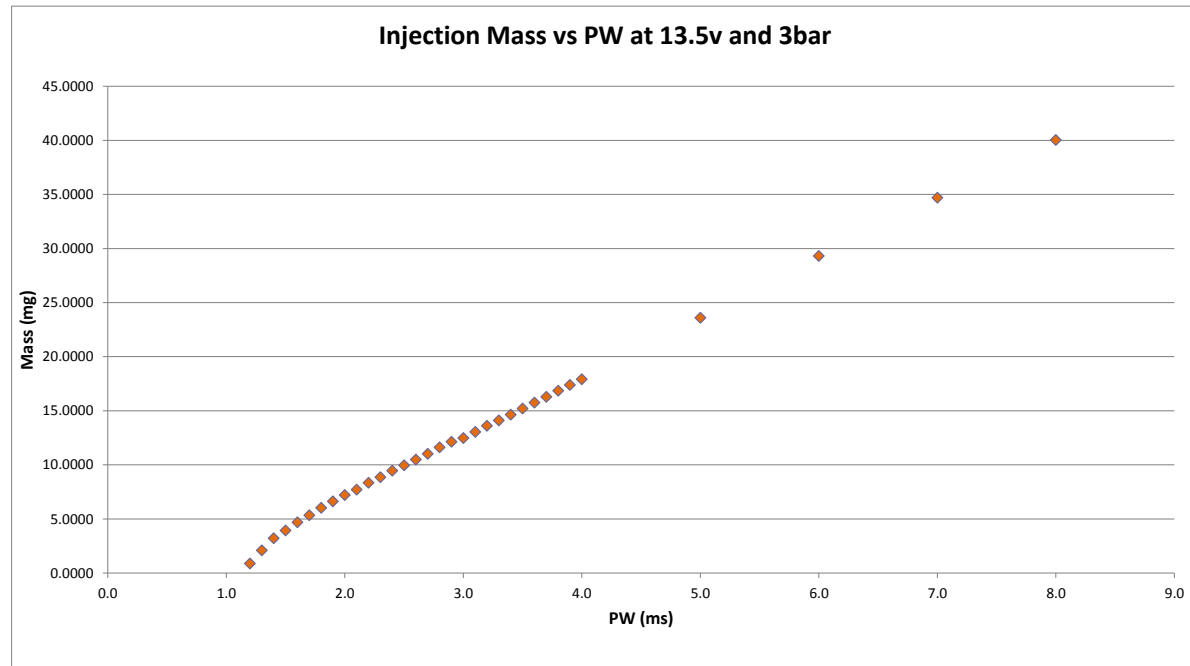
Fuel Injector Characterization Summary

DW PN: 16U-XX-0042-X, 16U-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	Below limits of detection			
1.2	0.0012	0.874	-64.48%	
1.3	0.0028	2.091	-30.65%	
1.4	0.0043	3.214	-9.96%	
1.5	0.0053	3.932	-4.67%	
1.6	0.0063	4.681	0.03%	LINEAR RANGE
1.7	0.0071	5.336	1.95%	
1.8	0.0080	6.022	4.04%	
1.9	0.0088	6.615	4.29%	
2.0	0.0096	7.208	4.49%	
2.1	0.0103	7.707	3.41%	
2.2	0.0111	8.332	4.04%	
2.3	0.0118	8.862	3.50%	
2.4	0.0126	9.455	3.70%	
2.5	0.0133	9.954	2.91%	
2.6	0.0140	10.485	2.52%	
2.7	0.0147	11.015	2.16%	
2.8	0.0155	11.608	2.39%	
2.9	0.0162	12.138	2.08%	
3.0	0.0167	12.482	0.28%	
3.1	0.0174	13.043	0.33%	
3.2	0.0182	13.605	0.36%	
3.3	0.0188	14.104	-0.04%	
3.4	0.0195	14.635	-0.21%	
3.5	0.0203	15.196	-0.16%	
3.6	0.0210	15.758	-0.11%	
3.7	0.0218	16.289	-0.25%	
3.8	0.0225	16.850	-0.20%	
3.9	0.0232	17.381	-0.34%	
4.0	0.0239	17.911	-0.46%	
5.0	0.0315	23.590	0.20%	
6.0	0.0391	29.301	0.72%	
7.0	0.0463	34.699	0.18%	
8.0	0.0535	40.035	-0.38%	
SLOPE (cc/min)		444		

Static Flow Data					
Differential Pressure			Flow		
Bar	kPa	PSI	cc/min	lb/hr	g/s
2	200	29.0	374	35.6	4.67
3	300	43.5	446	42.4	5.56
4	400	58.0	516	49.2	6.44
5	500	72.5	578	55.0	7.21

Battery Offset					
	8 volts	10 volts	12 volts	14 volts	16 volts
2bar	1.761	1.233	0.811	0.493	0.280
3bar	1.947	1.375	0.920	0.584	0.367
4bar	2.188	1.520	1.001	0.629	0.406
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