



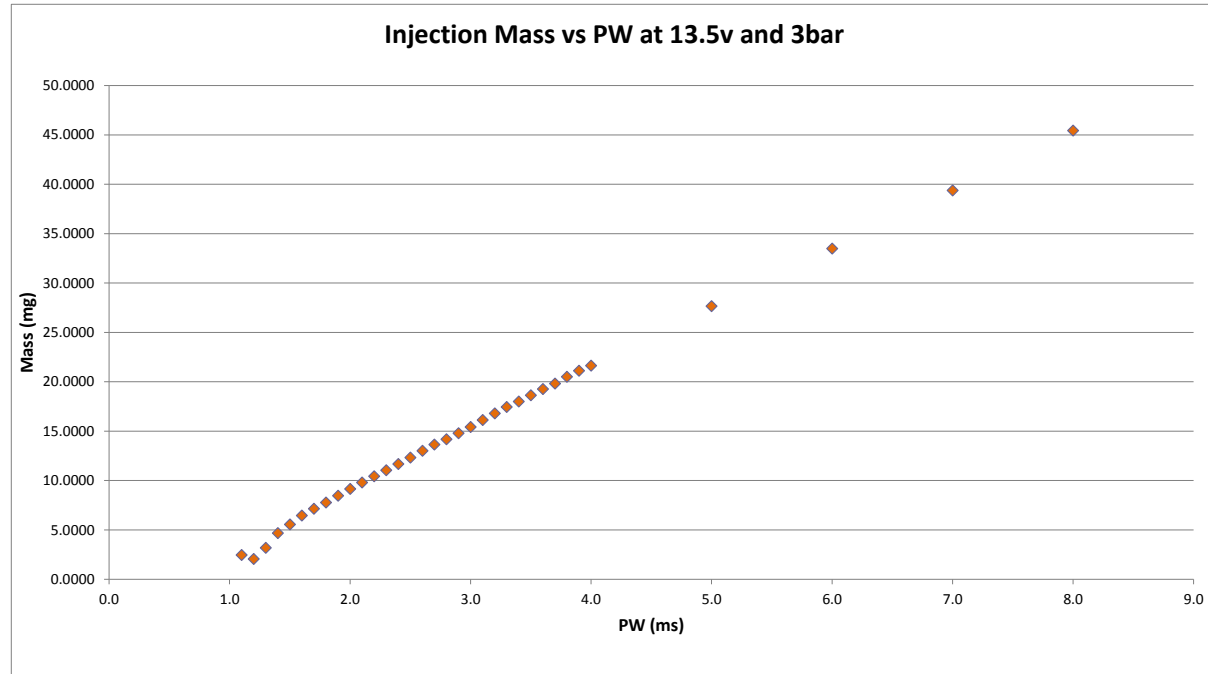
Fuel Injector Characterization Summary

DW PN: 22S-XX-0420-XX

Pulsed Flow Data (3bar, 13.5v)				Linearity
Pulse Width (ms)	Volumetric (cc/shot)	Gravimetric (mg/shot)	% Mass Deviation	
1.0	<i>Below limits of detection</i>			NON LINEAR RANGE
1.1	0.0033	2.465	-42.71%	
1.2	0.0028	2.059	-57.96%	
1.3	0.0043	3.183	-42.08%	
1.4	0.0063	4.681	-23.16%	
1.5	0.0074	5.554	-16.94%	
1.6	0.0086	6.459	-11.32%	
1.7	0.0095	7.146	-9.31%	
1.8	0.0104	7.770	-8.33%	
1.9	0.0113	8.456	-6.79%	
2.0	0.0122	9.143	-5.43%	LINEAR RANGE
2.1	0.0131	9.798	-4.54%	
2.2	0.0139	10.422	-4.03%	
2.3	0.0148	11.046	-3.58%	
2.4	0.0156	11.670	-3.17%	
2.5	0.0165	12.326	-2.55%	
2.6	0.0174	13.012	-1.75%	
2.7	0.0182	13.636	-1.48%	
2.8	0.0189	14.167	-1.87%	
2.9	0.0198	14.791	-1.61%	
3.0	0.0206	15.415	-1.37%	
3.1	0.0215	16.133	-0.57%	
3.2	0.0224	16.788	-0.20%	
3.3	0.0233	17.443	0.15%	
3.4	0.0240	18.005	-0.05%	
3.5	0.0249	18.629	0.10%	
3.6	0.0257	19.253	0.25%	
3.7	0.0265	19.815	0.07%	
3.8	0.0274	20.501	0.51%	
3.9	0.0282	21.125	0.63%	
4.0	0.0289	21.624	0.16%	
5.0	0.0369	27.647	0.35%	
6.0	0.0447	33.482	-0.09%	
7.0	0.0526	39.380	-0.24%	
8.0	0.0607	45.433	0.00%	
SLOPE (cc/min)		476		

Static Flow Data					
Differential Pressure			Flow		
Bar	kPa	PSI	cc/min	lb/hr	g/s
2	200	29.0	385	36.6	4.80
3	300	43.5	469	44.6	5.85
4	400	58.0	540	51.4	6.73
5	500	72.5	612	58.3	7.64

Battery Offset					
	8 volts	10 volts	12 volts	14 volts	16 volts
2bar	1.267	0.854	0.515	0.250	0.060
3bar	1.446	0.935	0.536	0.247	0.070
4bar	1.564	1.015	0.584	0.272	0.078
5bar	1.897	1.293	0.800	0.415	0.141



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