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Calibration Results

Date: When Tested
 Type: LB7 w/HighPO Point
 Notes: LB7 (as received)

Injector	Test point		Results		
	MPa	uS	QTY mm ³ /shot	STD%	BackFlow ml/min
#1 78817 6251			280.70	0.35	
			162.10	0.20	30
			2.78	2.62	
			37.55	0.51	
			11.19	1.13	Nozzle Flow ml/min 1490
#2 58527 0839			284.10	0.39	
			166.20	0.57	41
			1.58	3.48	
			36.92	0.71	Nozzle Flow ml/min
			9.19	1.74	1514
#3 78817 6191			281.00	0.24	
			162.50	0.15	25
			2.10	3.80	
			37.31	0.72	Nozzle Flow ml/min
			9.58	1.16	1548
#4 78817 6193			284.20	0.12	
			164.30	0.24	39
			1.86	3.22	
			34.59	0.42	Nozzle Flow ml/min
			9.41	1.17	1590
#5 58527 5994 hot			280.70	0.23	
			166.70	0.19	62
			3.20	2.32	
			39.94	0.60	Nozzle Flow ml/min
			10.77	1.22	1502
#6 78817 2073			280.20	0.12	
			162.40	0.15	33
			2.06	2.81	
			36.48	0.51	Nozzle Flow ml/min
			8.81	1.89	1542
#7 58527 5978			276.90	0.11	
			161.00	0.16	48
			1.97	3.52	
			39.85	0.46	Nozzle Flow ml/min
			12.31	1.07	1496
#8 78817 6195			279.20	0.13	
			163.30	0.63	37
			2.78	3.35	
			38.95	0.67	Nozzle Flow ml/min
			11.43	0.97	1510

Injector internal leakage - normal is 30 to 40 ml/min when they get 60 or above it's time to consider replacing internal pressure seal or entire injector depending on where leak is occurring. If full set is at 60 or higher hot start problems show up. End use should be considered. For all out competition leakage is less of a factor than for a street truck with single pump

Nozzle flow measurement done on our flow bench in ml/min. Divide by 1000 to get liters per minute. Viscor 1487 AW/2 Calibration fluid (SAE J967 or ISO 4113) at 100 bar 40 deg C

Injector shot to shot stability measurement. We use this information to detect internal injector problems such as debris, varnishing and wear

Injector output data at rail pressures and pulse widths shown. In spec is green, serviceable is yellow and out of spec is red

Test Point	% Spread	
	180	2800
160	1700	3.50

Key
 Output Spread within Factory Tolerances
 Output Spread within Service Limits

Injector number etched into each injector. We use cylinder number if provided with set. Injector factory build date and serial number are recorded for future troubleshooting if it is still visible.

Injector test rail pressure and pulse widths - Typical values shown, we can test up to 195MPa (working toward 200+ Mpa) and any pulsewidth desired. Custom mapping available.

Summary of injector set as measured