



Test Comments:

Ward CNC Ported Front  
 Radius Inlet.

+2mm  
 DEFAULT FLOW CALIBRATION

Report of:	Test Time	Tested at	Corr to	# Vlvs	Vlv Dia	Stem Dia	Port Area
All 1 Cylinders	9:11 am 10/17/2019	Int: 28" Exh: 28"	28.0" 28.0"	2 2	1.650" 1.340"	.236" .236"	2.65 sq in 1.69 sq in

Port	Lift	L/D	Corr CFM	VlvArea sq.in	CFM / sq.in	FlwArea sq.in	Flow Coef.	Valve Velocity	Port Velocity	% Exh/Int
Int #1	.100	.061	112.5	1.037	108.50	.772	.744	260.4	102.0	
Int #1	.200	.121	222.5	2.073	107.32	1.527	.736	257.6	201.7	
Int #1	.300	.182	297.3	3.110	95.60	2.040	.656	229.4	269.5	
Int #1	.400	.242	353.9	4.147	85.34	2.428	.586	204.8	320.8	
Int #1	.500	.303	388.7	4.189	92.80	2.667	.637	222.7	352.4	
Int #1	.600	.364	400.0	4.189	95.50	2.745	.655	229.2	362.6	
Int #1	.650	.394	403.4	4.189	96.29	2.768	.661	231.1	365.7	
Exh #1	.100	.075	99.7	.842	118.43	.684	.813	284.2	141.8	88.6
Exh #1	.200	.149	198.0	1.684	117.59	1.359	.807	282.2	281.5	89.0
Exh #1	.300	.224	247.5	2.526	97.99	1.698	.672	235.2	351.9	83.2
Exh #1	.400	.299	260.9	2.733	95.45	1.790	.655	229.1	370.9	73.7
Exh #1	.500	.373	267.0	2.733	97.68	1.832	.670	234.4	379.6	68.7
Exh #1	.600	.448	271.4	2.733	99.30	1.862	.681	238.3	385.9	67.8
Exh #1	.650	.485	272.9	2.733	99.84	1.872	.685	239.6	388.0	67.6

Head File: Untitled

Head Comments:

Head Number	Customer	Ward
Intake	Exhaust	
Layout:	Layout:	2 valves join to 1 port
Valve Diameter, in	Valve Diameter, in	1.650
Stem Diameter, in	Stem Diameter, in	.236
Throat Diameter, in	Throat Diameter, in	1.413
Avg Seat Angle, deg	Avg Seat Angle, deg	45
Port Shape:	Port Shape:	Round
Port Volume, ccs	Port Volume, ccs	217
Avg Port Diameter, in	Avg Port Diameter, in	1.836
Avg Port Height, in	Avg Port Height, in	1.986
Port Length, in	Port Length, in	5
		2 valves join to 1 port
		1.340
		.236
		1.004
		45
		Round
		83
		1.466
		1.6
		3