

FLOW TEST ANALYSIS

TEST DESCRIPTION: HARLEY HEAD
 JOB NUMBER: 7084
 TEST OPERATOR: MJ
 DATE: 05/06/0
 STEM DIA: 0.341
 No. OF CYLS: 2
 INTAKE VALVE AREA: 2.5967 DIA: 1.85
 EXHAUST VALVE AREA: 1.8341 DIA: 1.57
 TEST ORIFICE FLOW AT 10" TEST PRESSURE 149.8 CFM



MOTORCYCLES Stockheads

TEST FLOW CORRECTION FACTOR 153.2 149.8 = 1.023

FLOW RANGE (CFM)	10.0	18.0	29.0	40.0	59.0	84.0	105.0	140.0	185.0
	10.2	18.4	29.7	40.9	60.3	85.9	107.4	143.2	189.1

TEST NUMBER	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
TEST PORT NUMBER	3IN	3IN	3IN	3IN	3IN	3IN	3IN	3IN	3EX	3EX	3EX	3EX	3EX	3EX	3EX	3EX
TEST PRESSURE (IN)	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
VALVE LIFT (IN)	0.100	0.200	0.300	0.400	0.450	0.500			0.100	0.200	0.300	0.400	0.450	0.500		
CORR. FLOW RANGE	40.9	85	143.2	143.2	143.2	143.2			40.9	85	107.4	107.4	143.2	143.2		
CORR TEST CFM	31.296	65.8742	103.95	122.22	122.22	119.41			27.8414	64.0951	85.6988	95.9608	98.5345	100.005		
CORR CFM/SQ IN	12.052	25.3684	40.033	47.066	47.066	45.984			15.1796	34.9456	46.7242	52.3192	53.7224	54.5243		
HORSEPOWER	26.91	56.65	89.40	105.11	105.11	102.69			88.96%	97.30%	82.44%	78.52%	80.62%	83.75%		

FLOW TEST ANALYSIS

TEST DESCRIPTION: HARLEY HEAD AFTER PORT WORK
 JOB NUMBER: 7084
 TEST OPERATOR: MJ
 DATE:
 STEM DIA: 0.341
 No. OF CYLS: 2
 INTAKE VALVE AREA: 2.744 DIA: 1.9
 EXHAUST VALVE AREA: 1.8341 DIA: 1.57
 TEST ORIFICE FLOW AT 10" TEST PRESSURE 149.8 CFM



MOTORCYCLES Rocketheads

TEST FLOW CORRECTION FACTOR 153.2 149.8 = 1.023

FLOW RANGE (CFM)	10.0	18.0	29.0	40.0	59.0	84.0	105.0	140.0	185.0
	10.2	18.4	29.7	40.9	60.3	85.9	107.4	143.2	189.1

TEST NUMBER	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
TEST PORT NUMBER	3IN	3IN	3IN	3IN	3IN	3IN	3IN	3IN	3EX	3EX	3EX	3EX	3EX	3EX	3EX	3EX
TEST PRESSURE (IN)	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
VALVE LIFT (IN)	0.100	0.200	0.300	0.400	0.500	0.550	0.600		0.100	0.200	0.300	0.400	0.500	0.550	0.600	
CORR. FLOW RANGE	40.9	85	143.2	143.2	143.2	143.2	143.2		40.9	85	107.4	107.4	143.2	143.2	143.2	
CORR TEST CFM	36.712	79.2158	118	134.86	139.24	142.31	145.536		29.5036	57.599	84.6001	98.1668	105.888	107.356	108.829	
CORR CFM/SQ IN	13.379	28.8691	43.004	49.148	50.745	51.861	53.0387		16.0858	31.4038	46.1252	53.522	57.7316	58.5334	59.3352	
HORSEPOWER	31.57	68.13	101.48	115.98	119.75	122.38	125.16		80.36%	72.71%	71.69%	72.79%	76.05%	75.44%	74.78%	