DYNO TEST RESULTS

SNYDER'S A-6010-HC AND A-6010-HC6 HIGH COMPRESSION HEADS

The A-6010-HC 5.5:1 High Compression Head made 38.16 HP @ 1400 RPM and 143.15 ft lbs of torque and 54.6 HP @ 2500 RPM and 114.7 ft lbs. of torque with the A carburetor.

The A-6010-HC6 6:1 High Compression Head made a little flatter torque in the low range from 42 to 47 HP @ 1500 to 1700 RPM and 146.4 ft lbs of torque and 57.48 HP @ 2500 RPM and 120.75 ft lbs. of torque with the A carburetor.

I decided to test the Weber carburetor I pulled extremely well on the Dyno very nice flat torque in the 1500 to 2300 range. 51.68 HP @ 1800 RPM and 150.8 ft lbs. of torque and 67.87 HP @ 2800 RPM and 127.307 ft lbs. of torque.

Keep in mind these numbers can vary a little with temperature and humidity and other things but it gives us a good reference when comparing things. My Dyno is all analog gauges and all the data is entered by hand in the computer program as each pull is made.

Dnyo test results courtesy of Bill Stipe.

Snyders 5.5 A Carb IB 330 cam

RUN NO. 1 DATE 4/18'10
ENGINE
H2O TEMP 170
OIL TEMP
HEAD TEMP
OIL PRESSURE 0
FUEL PRESSURE 2
FUEL SP. GR

BAROM. IN. HG
WET BULB F
DRY BULB F
INLET AIR F
SAE CORR. FACTOR = 1.040332375

CARB MAIN JET
AIR CORR. JET
IDLE PILOT JET

Barometer reading 30.4 Barometer Factor 0.985
% Rel Humidity Reading 55 %Rel Humidity Factor 1.0375
Temperature Reading 80 Temperature Factor 1.018

SPARK: STATIC 0
ADVANCE 28
TOTAL 28

RPM ENGINE	RPM BRAKE	TORQUE SCALE	FUEL FLOW #/Hr.	INJECTION P.S.I.	B.H.P.	B.S.F.C. #/BHP-Hr	CORR. H.P.	CORR. TORQUE # Ft.	HEAD ON H2O F	REMARKS
1400		26.2			36.68		38.1594	143.1522		
1500		26			39		40.573	142.0595		
1600		25.4			40.64		42.2791	138.7812		
1700		25			42.5		44.2141	136.5956		
1800		24.8			44.64		46.4404	135.5029		Centrifugal advance Dist, Aries Muffler
1900		24.6			46.74		48.6251	134.4101		
2000		23.7			47.4		49.3118	129.4927		
2100		22.6			47.46		49.3742	123.4825		
2200		22.4			49.28		51.2676	122.3897		
2300		22			50.6		52.6408	120.2042		
2400		21.1			50.64		52.6824	115.2867		
2500		21			52.5		54.6174	114.7403		
2600		20			52		54.0973	109.2765		
2700		19.2			51.84		53.9308	104.9055		
2800		0			0		0	0		
2900		0			0		0	0		
3000					0		0	0		
6000					0		0	0		
6500					0		0	0		
7000					0		0	0		
7500					0		0	0		
8000		0			0		0	0		

Snyders 6.0 HEAD A CARB IB330 CAM

RUN NO. 1 DATE 4/18'10
ENGINE
H2O TEMP 170
OIL TEMP
HEAD TEMP
OIL PRESSURE 0
FUEL PRESSURE 0
FUEL SP. GR

BAROM. IN. HG
WET BULB F
DRY BULB F
INLET AIR F
SAE CORR. FACTOR = 1.040332375

CARB MAIN JET
AIR CORR. JET
IDLE PILOT JET

Barometer reading 30.4 Barometer Factor 0.985
% Rel Humidity Reading 55 %Rel Humidity Factor 1.0375
Temperature Reading 80 Temperature Factor 1.018

SPARK: STATIC 0
ADVANCE 28
TOTAL 28

RPM ENGINE	RPM BRAKE	TORQUE SCALE	FUEL FLOW #/Hr.	INJECTION P.S.I.	B.H.P.	B.S.F.C. #/BHP-Hr	CORR. H.P.	CORR. TORQUE # Ft.	HEAD ON H2O F	REMARKS
1400		26.6			37.24		38.742	145.3378		
1500		26.8			40.2		41.8214	146.4305		
1600		26.8			42.88		44.6095	146.4305		
1700		26.8			45.56		47.3975	146.4305		
1800		26			46.8		48.6876	142.0595		
1900		25.4			48.26		50.2064	138.7812		
2000		25			50		52.0166	136.5956		
2100		24.8			52.08		54.1805	135.5029		Centrifugal advance Dist, Aries Muffler
2200		24			52.8		54.9295	131.1318		
2300		23.2			53.36		55.5121	126.7608		
2400		22.2			53.28		55.4289	121.2969		
2500		22.1			55.25		57.4784	120.7505		
2600		21			54.6		56.8021	114.7403		
2700		20			54		56.1779	109.2765		
2800		0			0		0	0		
2900		0			0		0	0		
3000					0		0	0		
6000					0		0	0		
6500					0		0	0		
7000					0		0	0		
7500					0		0	0		
8000		0			0		0	0		

Snyders 6.0 HEAD Weber CARB IB330 CAM

RUN NO. 1 DATE 4/18'10
ENGINE
H2O TEMP 170
OIL TEMP
HEAD TEMP
OIL PRESSURE 0
FUEL PRESSURE 0
FUEL SP. GR

BAROM. IN. HG
WET BULB F
DRY BULB F
INLET AIR F
SAE CORR. FACTOR = 1.040332375

CARB MAIN JET
AIR CORR. JET
IDLE PILOT JET

Barometer reading 30.4 Barometer Factor 0.985
% Rel Humidity Reading 55 %Rel Humidity Factor 1.0375
Temperature Reading 80 Temperature Factor 1.018

SPARK: STATIC 0
ADVANCE 28
TOTAL 28

RPM ENGINE	RPM BRAKE	TORQUE SCALE	FUEL FLOW #/Hr.	INJECTION P.S.I.	B.H.P.	B.S.F.C. #/BHP-Hr	CORR. H.P.	CORR. TORQUE # Ft.	HEAD ON H2O F	REMARKS
1400		27			37.8		39.3246	147.5233		
1500		27.5			41.25		42.9137	150.2552		
1600		27.5			44		45.7746	150.2552		
1700		27.5			46.75		48.6355	150.2552		
1800		27.6			49.68		51.6837	150.8016		
1900		27.6			52.44		54.555	150.8016		
2000		27.4			54.8		57.0102	149.7088		
2100		27			56.7		58.9868	147.5233		Centrifugal advance Dist, Aries Muffler
2200		26.6			58.52		60.8803	145.3378		
2300		26.5			60.95		63.4083	144.7914		
2400		25.8			61.92		64.4174	140.9667		
2500		25			62.5		65.0208	136.5956		
2600		24.2			62.92		65.4577	132.2246		
2700		23.4			63.18		65.7282	127.8535		
2800		23.3			65.24		67.8713	127.3071		
2900		22.4			64.96		67.58	122.3897		
3000					0		0	0		
6000					0		0	0		
6500					0		0	0		
7000					0		0	0		
7500					0		0	0		
8000		0			0		0	0		