



## ANIMAL TECH INSPECTION WORK SHEET

Class: \_\_\_\_\_ Animal

Date: \_\_\_\_\_

Driver Name : \_\_\_\_\_ Car # \_\_\_\_\_

Finish Position : \_\_\_\_\_

1	Carburetor Stock PZ22 / New Briggs Carb with Logo	
2	Jr. Animal (Blue Plate 0.521 max) Sr. Animal (Gold Plate 0.5725 max)	
3	Idle Jet Stock any size hole	
4	Main Jet Stock any size hole	
5	Intake manifold Stock 1.740 to 1.760 length . Bore Diameter 0.885 to 0.905 Max.	
6	Or Briggs and Stratton Curved Manifold part number 555776	
7	Max valve lift at valve 2.258	
8	Timing 23 degree BTDC to 27 BTDC max	
9	Head Gasket 0.038 min / multi-layer head gasket BSA-304-40	
10	Cylinder head Gasket surface non tech min head thickness between the two valves 0.319	
11	Valve seats 45 degrees only	
12	Intake valve seat 0.965 min 0.972 max	
13	Exhaust valve seat 0.844 min 0.850 max	
14	Valve 45 degrees only	
15	Intake valve head 1.055 min 1.065 max exhaust valve 0.935 min 0.945 max	
16	Stem intake & exhaust 0.246 min 0.247 max	
17	Weight Intake min 29.26 grams exhaust 28.00 grams	
18	Spring Diameter 0.103 to 0.105 4.25 to 4.75 coils Length .930 Max 15 lbs. at 0 .812	
19	Rocker Ball diameter 0.590 min 0.610 max	
20	Piston pop up 0 .007 max	
21	Engine Block Bore 2.693 max	
22	Stroke 2.205 MAX	
23	Aluminum Flywheel and Green coil Stock Flywheel Key (Min 0.182.)	
24	Piston Stock pin hole to top of piston 0.660 to 0.662 max	
25	Weight complete piston, pin, clips, rings, rod and bolts 349 grams min	
26	Rings stock top and second ring 0 marked on top of ring	
27	Wrist pin stock 0.624 to 0.626 max	
28	Rod length 2.419 to 2.429 max	
29	Crankshaft stock B&S Splined Crank	
30	Crank journal 1.094 to 1.110 max	
31	Cam shaft stock profile in block	
32	Tappets 0.825 to 0.845 Exhaust only 0.964 to 0.984	
33	Gear Box B&S gearbox only	

Tech Inspectors Name: \_\_\_\_\_ Engine: \_\_\_\_\_ Circle : Passed Failed