

APPLICATION FOR IMPBA WORLD RECORD

GAS

INSTRUCTIONS

(Application Rev. 1/31/2019) (Tech Inspection sheet Rev. June 2018)

Please type or print legibly. It is recommended that this application be filled out in duplicate or copied should the original be lost by postal or courier services. It is the responsibility of both the sponsoring club officials and the contestant applying for a record to ensure this application is completely filled out prior to sending to the IMPBA Records Director. Failure to do so will automatically void this application. Review the application upon completion and fill out the following check-off list.

SPONSORING CLUB:

All lines have been completed on Page 2.

CONTESTANT:

All lines have been completed on Page 2 (additional comments optional).
Application has been signed.

TIMES WITNESSED:

There must be 2 different people to verify the time. Each timer or witness must record
The time he/she reads, plus sign and print their name and IMPBA membership
number on page 3.

POWER SPECIFICATIONS:

There must be 2 different people inspect the engine(s) for Technical standards. Each
inspector must sign and print their name and IMPBA membership number on Page 3.

HULL SPECIFICATIONS:

There must be 2 different people inspect the hull for technical standards. Section A
and section B or C must be completed for all applications. Section D through I must
also be completed if applicable. Each inspector must sign and print their name and
IMPBA membership number on Page 5.

FOR OFFICIAL USE ONLY

Date Postmarked: _____

New Record? Yes No

If no, give reason: _____

Date Record Certificate issued: _____

Class: _____ Event: _____ Time: _____ Speed: _____

Contestant: _____ Date of Record: _____

IMPBA Records Director (sign & print name): _____

SPONSORING CLUB

CLASS (Engine Size & Hull Type): _____

EVENT: 1/16 straightaway 1/3 Oval 1/4 Oval

TIME: average to thousandths (drop the fourth digit) _____ . _____

SPEED: Use Formula Below (drop the fourth digit) _____ . _____

(1/16 Straightaway: 225/sec.) (1/3 Oval: 1200/sec.) (1/4 Oval: 900/sec.)

For Straightaway trials, TIME is the average for 2 consecutive passes in opposite directions.

For Ovals, TIME is the total duration to complete 2 legal laps of the course specified.

DATE RECORD SET: _____

DATE OF SANCTION: _____ SANCTION #: _____

SPONSORING CLUB: _____

ADDRESS: _____

NAME OF PARK, POND, LAKE: _____

CONTEST DIRECTOR: _____ IMPBA # _____

CONTESTANT

NAME: _____ IMPBA # _____

ADDRESS: _____

HULL MANUFACTURED BY _____

ENGINE OR MOTOR MANUFACTURED BY _____

PROPELLER MANUFACTURED BY _____

FUEL OR BATTERIES MANUFACTURED BY _____

RADIO MANUFACTURED BY _____

(The above information is an attempt to help promote our manufacturers products to the model boating community and will be printed with record listings in the IMPBA Rule Book. If hardware used is of original design, please enter "own design.")

ADDITIONAL COMMENTS _____

CONTESTANT'S SIGNATURE _____

TIMES WITNESSED

1/3, 1/4, 1/6 Oval or 1/16 Straightaway - 1st Pass

1/16 Straightaway only - 2nd Pass

_____ . _____ . _____ . _____ . _____

_____ . _____ . _____ . _____ . _____

DB READINGS

Record reading for EACH lap of an oval & EACH pass for SAW _____ dB _____ dB

TIMERS OR WITNESS (sign and print name)

IMPBA #

1. _____

2. _____

POWER SPECIFICATIONS

The boat shall be impounded by the Contest Director immediately after a record is set. The following shall be checked by two (2) inspectors.

ENGINE POWER (GAS)

1. BORE: _____ . _____ . _____ . _____ in.

BORE AVERAGE: _____ . _____ . _____ . _____ in.
average to thousandths (drop the fourth digit)

2. BORE: _____ . _____ . _____ . _____ in.

1. STROKE: _____ . _____ . _____ . _____ in.

STROKE AVERAGE: _____ . _____ . _____ . _____ in.
average to thousandths (drop the fourth digit)

2. STROKE: _____ . _____ . _____ . _____ in.

DISPLACEMENT: _____ . _____ . _____ . _____ cu.in.
average to thousandths (drop the fourth digit)

NOTE: Displacement = 3.14159 x (Bore Avg/2)² x Stroke Avg.

CID divided by .061 = CC _____ . _____ . _____ cc

INSPECTORS (sign and print name)

IMPBA #

1. _____

2. _____

HULL SPECIFICATIONS

Hull Type: Outrigger Mono Sport Hydro Catamaran Crackerbox
 Thunderboat Jersey Skiff Gas Unlimited Scale

Answer A and B or C

A. General questions:

- 1. Is hull 60" or less in length? Yes No
- 2. Total weight is 30 lbs. or less (with GAS race ready)? Yes No
- 3. Boat has only one engine? Yes No
- 4. Engine has gasoline spark ignition (not a glow plug)? Yes No
- 5. Engine was started with a recoil pull or belt/pulley starter? Yes No
- 6. Engine was stopped via transmitter? Yes No
- 7. Fuel is pump gasoline/oil mix? Yes No

B. If Outrigger:

- 1. Do the sponsons attach to hull via tubes, brackets, or other methods. Yes No

C. If Mono:

- 1. Is hull one continuous wetted surface at racing speed? Yes No
- 2. Any discontinuities of wetted surface, including strakes,
are 15 degrees or less angel to the keel? Yes No
- 3. Is keel deeper than any point on hull cross section? Yes No
- 4. If strakes used, at least one on each side of keel? Yes No
- 5. Strakes parallel with keel in aft half of hull length? Yes No
- 6. Strakes terminated ahead of transom have faired ends? Yes No
- 7. Keel is lower than strakes? Yes No
- 8. Hull is without steps? Yes No

Answer the following where applicable

D. If Sport Hydro:

- 1. Is boat inboard powered? Yes No
- 2. Is the hull a 3-point suspension hull? Yes No
- 3. Hull is not an outrigger or tunnel ? Yes No
- 4. Does boat have name, logo and/or racing number? Yes No
- 5. Boat has driver and/or simulated enclosed cockpit? Yes No
- 6. If the bow is recessed behind the tips of the sponsons, that recess
shall be no larger than 25% of the overall length of the boat? Yes No
- 7. Does engine meet LSG 27 or LSG 36 engine specifications? Yes No
- 8. Does hull meet all the dimensional requirements of Section I,
Figure 1 of the IMPBA Rule Book? Yes No

E. If Crackerbox:

- 1. Do the basic hull lines conform to the lines of the
Crackerbox racing runabout?..... Yes No
- 2. Does the length fall between 42" and 49"? Yes No
- 3. Is the width of the hull wider than 15"? Yes No
- 4. Hull is in compliance with "no ride plates" rule? Yes No
- 5. The Vee bottom measure no more than 5 degrees at the transom? Yes No
- 6. Does boat have racing number preceded by "P"
with letter size at least 2" minimum? Yes No
- 7. Does boat have 2 scale drivers with helmets and
life jackets in the driver/rider compartment? Yes No

- 8. Does boat have a canister muffler or tuned pipe? Yes No
- 9. Are propeller, rudder, and all parts of the drive train
4" or less beyond transom? Yes No
- 10. Does engine meet Super Sport rules? (see checklist attached) Yes No

F. If Thunderboat:

- 1. Does engine meet Super Sport rules? (see checklist attached) Yes No
- 2. Does the boat meet all requirements in Large Scale Gas,
V-Specialty Classes, item G of the rule book? Yes No

G. If Jersey Skiff

Does the boat meet all requirements of the rule book in Large Scale Gas,
V-Specialty Classes, item H ? Yes No

H. If Tunnel

Does the boat meet all requirements of the rule book in Large Scale Gas,
V-Specialty Classes, item I ? Yes No

I. If Gas Scale Unlimited

Does the boat meet all requirements of the rule book in Large Scale Gas,
VI-Gas Scale Unlimited? Yes No

J. If "SLS" Sport Engine was used answer the following:

- 1. Does engine have a cantilever crankshaft? Yes No
- 2. Does engine have a recoil starter? Yes No
- 3. Is cylinder and head a single unit? Yes No
- 4. Is carburetor bore .500 inches or less? Yes No
- 5. Does engine have a canister type muffler? Yes No
 - Single hole or pipe 3/4" or less? Yes No
 - Dual hole or pipes 1/2" or less each? Yes No
- 6. Does engine meet all other restrictions in section I of the rule book? Yes No

INSPECTORS (sign and print name

IMPBA #

1. _____

2. _____

ADDITIONAL INSTRUCTIONS

This form must be completed and mailed to the IMPBA Records Director within 2 days of the conclusion of the event. (Be sure to use proper postage)

**Brad Schafer
620 Summer Grass Ln.
Roswell, GA 30075**

LSG Stock Motor Inspection

Refer to Rule Book Sec. I - Large Scale Gas, V- Specialty Classes, F- Super Sport Class

Paragraph I(V)(F)(3) summary:

Engines will be Zenoah G260 PUM only. The engine may run a stock unmodified 257 or the original 644 with choke carburetor. No internal modifications allowed. Replacement parts must be from the original manufacturer and same type engine. No part swapping from other manufacturers permitted. The engine coil may be moved to another location on the engine or hull. Recoil pull start must be primary method of starting.

Stock Motor Inspection to include all parts of motor:

YES NO – if no record measurement

- | | | | |
|--------------------------|--------------------------|---|-------|
| <input type="checkbox"/> | <input type="checkbox"/> | a) Fasteners: Stock or Stainless | |
| | | b) Gasket Thickness: | |
| <input type="checkbox"/> | <input type="checkbox"/> | Carburetor .017 to 0.023 | _____ |
| <input type="checkbox"/> | <input type="checkbox"/> | Manifold .017 to .023 | _____ |
| <input type="checkbox"/> | <input type="checkbox"/> | Case .017 to .019 | _____ |
| <input type="checkbox"/> | <input type="checkbox"/> | Base/Barrel .014 to .018
<i>may be copper or fiber</i> | _____ |
| <input type="checkbox"/> | <input type="checkbox"/> | c) Seal: Springs | |
| <input type="checkbox"/> | <input type="checkbox"/> | d) Bearings: Stock | |
| <input type="checkbox"/> | <input type="checkbox"/> | e) Flywheel: | |
| | | Thickness .800 to .810 | _____ |
| | | Diameter 2.358 to 2.362 | _____ |
| | | Keyway .118 to .123 | _____ |
| <input type="checkbox"/> | <input type="checkbox"/> | f) Crank Rod, Piston and Ring must be stock | |
| | | Piston diameter above ring compared to piston diameter
below wristpin = max. diameter difference of 0.0015 | |
| | | Crank Keyway .118 to .123..... | _____ |
| <input type="checkbox"/> | <input type="checkbox"/> | g) Intake Manifold Thickness .680 to .702 | _____ |
| | | <i>(May sand gasket sealing area to make flat)</i> | |
| <input type="checkbox"/> | <input type="checkbox"/> | h) Ignition Parts – original red & gray color and slotted holes | |
| <input type="checkbox"/> | <input type="checkbox"/> | i) Case to Crank Shaft Top .908 to .912 | _____ |
| <input type="checkbox"/> | <input type="checkbox"/> | j) Barrel (Cylinder) Depth 1.9650 to 2.000 | _____ |
| <input type="checkbox"/> | <input type="checkbox"/> | k) Must have original round cooling cap –
painting, anodizing, and etching allowed. | |
| <input type="checkbox"/> | <input type="checkbox"/> | l) Bore and Stroke | |
| | | 34mm (1.338 inch) bore..... | _____ |
| | | 28mm (1.102 inch) stroke | _____ |