



Office use only:

Control Number:

Assigned Group: T 3

Ballot: Pass: _____ / Fail: _____

Effective for Race Year: 2021

2022 Inboard Rule Change Proposal

Name: Marshall Gildermaster

APBA #: 12122

E-mail: gildermasterm@gmail.com

Telephone: (443) 306-1577

Date: Dec. 1, 2020

Note: Proposals must be submitted to the Inboard Office by December 1, 2021 to be considered.

Save and E-mail completed form to: inboardracing@apba.org or melildon@yahoo.com

US mail to APBA Inboard Office, 8039 Stone Barn Dr, West Chester, Ohio 45069

Check all that apply:

General Safety Rule

General Racing Rule

Stock Class Technical Rule *

Modified Class Technical Rule *

Affected Class(es): 2.5 Stock

Specific Rule Information: [Note: All fields must be completed for consideration.]

Author's VERY BRIEF Summary of Proposed Action: Allow hydraulic roller rockers to improve reliability with higher lift cams and reduce oil temperature when using the cast iron head only. The advantage of roller followers is the followers can be swapped from cam to cam without fear of prematurely wearingout the cam or follower, thus reducing costs.

Affected Rule: 43.6.8 Rocker Arms: Stock or stock replacement with a ratio of 1.64 to 1. Roller rocker arms are not permitted. Stock replacement followers with wear pads such as Esslinger eng E2293, Race eng cr-66993-8, or Racer Walsh RWA 1484 can be used and are considered stock replacement.

Proposed rule: 43.6.8 Rocker Arms: Stock or stock replacement with a ratio of 1.64 to 1. Roller rocker arms are permitted with cast iron head. Stock replacement followers with wear pads such as Esslinger Engr E2293, Race Engr CR-66993-8, Racer Walsh RWA 1484, and Roller Rockers Melling MR-922, Racer Walsh RWA-1485 on cast iron heads only.

Reason for change: Reference from Rule 43.6.6, due to the Shortage of Esslinger Aluminum APBA Spec Heads and the cost of the BoPort Cast Iron Head, this will be an alternative using a roller rocker and roller camshaft.

Doing this will help three ways.

ONE: Reduce costs so that different cams can be swapped out cam for cam depending on the race site length without prematurely wearing out followers and cam (ie Flat Tappet). This may help in trying to improve the performance of the Option 2 cast iron head without porting like the BoPort Head is doing.

TWO: The roller followers are more reliable and you do not have the wear characteristics of a flat follower, and are easier to setup when building the engine.

THIRD: The roller follower creates less friction which reduces oil temperatures in the engine, which is critical since the oil pans are very shallow draft.

This reduction in expenses of the follower sweep and cam swaps will help keep the 2.5 Stock class as an inexpensive class to get into for a beginner race Team.