# National Modified Inspection Sheet – Complete inspection

Regatta: Date: Boat #

* **Length**: (Min: 17’ / 246 engine) Weight: (1350 lbs.)
* **Length**: (Min: 19’ / 308 engine) Weight: (1900 lbs.)
* **Length**: (Min: 19’ / 368 engine) Weight: (1900 lbs.)
* **Length**: (Min: 18’ /368 or 308 hull built prior to 1988) Weight: (1600 lbs.)

# Rudder

* + Must extend 3.5” below tip of propeller:
	+ Rudder thickness measured from top of rudder blade to 2” below rudder bracket:
		- Steel 308, 368 ci 0.5” min:
		- Steel 246 ci 0.375: min:
		- Aluminum all 1.0” min:

# Fuel Type (Brand name i.e. VP-C12. Or Methanol (only for 308)

# Gasoline

* + Specific Gravity (less than 0.800 @68ºF)
	+ Digatron Reading (Must be negative)
* **Methanol**

Specific Gravity \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (less than .800 @68F)

# Engine (Max. Displacement 308, 368, 246 )

* + Bore:
	+ Stroke:
	+ P&G: (can’t be done for records)
	+ Note: Displacement = Bore x Bore x .7854 x Stroke x Number of cylinders

# 368 ci Engine Option Specifics

* + Modified with the following restrictions
	+ Overhead cams are not allowed. Mushroom lifters and roller lifters are permitted.
	+ Any cast iron cylinder head, as cast, available in U.S. market over the counter may be used, limited to 2 valves per cylinder. Porting and polishing is not permitted. No additional machining beyond original specifications is permitted.

Milling heads is permitted

* + Intake manifolds may only be mass produced, over the counter cast type. After market brands are permitted.
	+ Valves:
		- Intake – 2.125”Max:
		- Exhaust – 1.710” Max:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Carb type** | **Primary****Venturi Dia.** | **Measured** | **Secondary****Venturi Dia.** | **Measured** | **Primary TB Dia.** | **Measured** |
| 0-4776 |  |  |  |  |  |  |
| HP 0-80540-1 |  |  |  |
| HP 0-80540-2 | 1.265 | 1.3275 | 1.5675 |

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**246 Engine Option Specifics**

* Gasoline Only
* Blocks and Heads must be from the OEM/OEM parts list, off road racing OEM allowed. No aftermarket blocks or heads allowed.
* Unlimited Modifications
* Carburetor Only, Maximum of 4 venturis. 1.7” Maximum Throttle Bore or a restrictor plate of 1.7”. Restrictor plate thickness .750” (3/4”) maximum

**308 Engine Option Specifics**

* Gasoline or Methanol allowed
* Unlimited Modifications
* Maximum of 2 valves per cylinder
* Push rod cam in block only, No overhead cams

Chief Inspector APBA #

Inspector APBA #

Referee APBA#

Inboard Commissioner APBA#

Boat Owner’s signature APBA#