

# Woodbridge Kart Club

## 2023 Vintage Local Option Class Rules

### 1. WKC Vintage Euro:

- Age 15 & up
- Eligible Rotary Valve Motors: BM-96, 96TT, 97TT, 100, 104, 107; Dap T-80, T-80A, T-80R, T-81; Hewland Arrow KE3, KE4; Komet K-77, K-78, K-88, K-88TT, K-78TT; Manx; Parilla SS-21, SS-22, SS-23, SS27TT; TKM S-89, S-89TT, FF-99, FF-99TT
- Eligible Reed I Motors: Dap T-72; Margay LMR
- Eligible Reed II Motors: Komet K-55; Atlas I
- All Vintage Piston Port motors listed in 2023 Vintage Class Rules
- All Vintage USA motors listed in 2023 Vintage Class Rules
- Engines represented as stock are expected to have stock exhaust port size and height and stock reed cages, as noted. Carburetor bore, exhaust ports, and fuel can be checked as required. Oversize pistons are allowed
- Foreign engines may be modified to use Motoplat ignition in place of points
- Rotary Valve motors – any Tillotson HL carburetor, single or double pumper, that bolts directly to a stock manifold is permitted
- Race gas & oil only, except for karts running under Vintage USA rules, which can run race gas & oil or methanol & oil. NO ADDITIVES other than oil are allowed
- Clutches – Any dry clutch or Horstman black or blue axle clutch or SMC gold axle clutch or Burco wet axle clutch is legal.

### WKC LO Vintage Euro Specifications and Weights as follows:

| CLASS | ENGINE                                 | CARBURATOR                 | MANIFOLD                  | PIPE | WEIGHT |
|-------|--|----------------------------|---------------------------|------|--------|
| EURO  | Approved rotary-valve controlled stock | HL                         | Stock                     | Open | 355    |
| EURO  | Approved rotary-valve stock-appearing  | HL                         | Stock                     | Open | 385    |
| EURO  | Approved Reed I controlled stock       | HR or Burris<br>1.195" max | Stock <u>or</u> 90 degree | Open | 355    |
| EURO  | Approved Reed I Stock-appearing        | HR or Burris<br>1.195" max | Stock <u>or</u> 90 degree | Open | 370    |
| EURO  | Approved Reed II Controlled stock      | HR or Burris<br>1.195" max | Stock <u>or</u> 90 degree | Open | 370    |
| EURO  | Approved Reed II Stock-appearing       | HR or Burris<br>1.195" max | Stock <u>or</u> 90 degree | Open | 385    |
| EURO  | Approved Vintage Piston Port           | Walbro WB3A<br>0.950" max  | Stock                     | Open | 370    |

|      |   |   |      |      |     |
|------|---|---|------|------|-----|
| EURO | Approved Vintage USA<br>(Methanol & oil or gas & oil) | HL, HR, Burris<br>1.195" max.<br><u>or</u> two HL 0.900" max. | Open | Open | 300 |
|------|---|---|------|------|-----|

## 2. WKC Vintage USA:

- Age 15 & up
- Eligible motors: 100cc McCulloch; 125 cc McCulloch; 135cc West Bend; Any other US-built 100cc fan-cooled reed motor
- Engines represented as stock are expected to have stock exhaust port size and height and stock reed cages, as noted. Carburetor bore, exhaust ports, and fuel can be checked as required.
- Oversize pistons are allowed to the following sizes to allow salvaging cylinders bored to the limit.
  - 100cc McCulloch - 2.290" max
  - 125cc McCulloch - 2.360" max
  - West Bend 820 engines cannot be bored, but replacement cylinders are available
  - West Bend new manufacture "Copperhead" blocks and manifolds are not considered stock, but may be used in open classes
- Ignition upgrades are allowed on stock and stock-appearing USA engines in the form of electronic modules to replace the breaker points and self-contained electronic ignitions to replace the stock coil without machine work.
- Race gas & oil or Methanol & oil. NO ADDITIVES other than oil are allowed
- Clutch - Any drum-type engine clutch or Horstman 4 or 6 spring DXL or any dry drum-type axle clutch is allowed (i.e. Bystrom, Hegar, Hartman, Proline, Tripp)

### WKC LO Vintage USA Specifications and Weights as follows:

| CLASS | ENGINE                          | CARBURATOR   | INDUCTION       | PIPE | WEIGHT | FUEL           |
|-------|---------------------------------|--|-----------------|------|--------|----------------|
| USA   | 100cc stock McCulloch           | HL, HR, Burris, Mac<br>1.195" max.                         | Open            | Open | 300    | Gas & oil      |
| USA   | 100cc stock McCulloch           | HL, HR, Burris, Mac<br>1.195" max.                         | Open            | Open | 335    | Methanol & oil |
| USA   | 100cc stock-appearing McCulloch | HL, HR, Burris, Mac<br>1.195" max. or two<br>HL 0.900" max | Stock reed cage | Open | 350    | Gas & oil      |
| USA   | 100cc stock-appearing McCulloch | HL, HR, Burris, Mac<br>1.195" max.                         | Stock reed cage | Open | 385    | Methanol & oil |
| USA   | 125cc stock McCulloch           | HL, HR, Burris, Mac<br>1.195" max.                         | Stock reed cage | Open | 385    | Gas & oil      |

|     |   |   |                 |       |     |                |
|-----|---|---|-----------------|-------|-----|----------------|
| USA | 125cc stock-appearing McCulloch           | HL, HR, Burris, Mac<br>1.195" max.                            | Stock reed cage | Fixed | 410 | Gas & oil      |
| USA | Stock West Bend 820                       | HL 334a<br>0.790" max.  | Stock reed cage | Fixed | 350 | Gas & oil      |
| USA | West Bend 820                             | HL, HR, Burris<br>1.195" max.<br><u>or</u> two HL 0.900" max. | Open            | Fixed | 385 | Gas & oil      |
| USA | Any other US 100cc fan-cooled reed engine | HL, HR, Burris<br>1.195" max.<br><u>or</u> two HL 0.900" max. | Open            | Open  | 330 | Methanol & oil |

**Start Procedures** – WKC Vintage USA and WKC Vintage Euro classes, unless the Race Director decides otherwise, will have a LeMans start, where the driver runs across pit lane and gets in the kart. The driver must be in the seat before the engine is started. If the driver is unable to run across the track, then either the person who will start the kart must run in their place, with the starter on the pavement at 90 degrees to the crankshaft, or the driver must wait to start until the pack has left the grid. Any infraction of the LeMans start, i.e. running before the flag or starting the engine early, will be considered the same as leaving before the flag and subject to the same penalty.