



4th July 2023

Attention: AIDKA Members

IMPORTANT CHANGES EFFECTIVE 1ST SEPTEMBER 2023

Recently AIDKA have undertaken a review of our fuel rules which included conducting a survey of what fuel and oils members are using. After the AIDKA Survey results were analysed, 22 oils have been tested with PULP, VP C9 and PowerPlus at all different ratios to get a current data base.

From these results the Fuel Committee, along with the AIDKA Technical Committee have proposed we control oils available for use in AIDKA to a list of 22 oils and have an option for others to be introduced or some eliminated if our data shows from testing that it is not being used readily. This will help control fuel and oils within the sport.

Amongst the testing and analysis, we have found that PowerPlus contains ethanol and is illegal for our sport. The readings are extremely different to the other 2 options of fuel available.

At the June 2023 Council Meeting it was passed that the below rule changes be implemented **effective as of 1st September 2023**. This includes banning PowerPlus. Please note that PowerPlus cannot be used at any title event prior to this date, but only club meetings.

Please familiarise yourself with the following rule changes (highlighted in yellow) that will be effective as of **1st September 2023**.

Regards
AIDKA Executive & AIDKA Technical Committee

FUEL & OIL

Rule #

- 24 The purpose of this General Rule is to ensure that the fuel used in Go-Kart Racing is consistent with Premium Unleaded Petrol as this term is generally understood.
- 24.1 Petrol within the meaning of these General Rules of Racing is one of the following:
- Petrol and/or fuel of a kind recognized by the A.I.D.K.A. as being on general and genuine sale to the public of Australia.
 - Petrol and/or fuel that has been approved by A.I.D.K.A.
- 24.2 **The only oils, petrol and/or fuels permitted are:**
- Premium Unleaded Petrol (PULP) 98 or 95 produced by major refineries, VP C9, **PowerPlus 98**
 - Fuels must not contain ethanol
 - Maximum RON 99
 - Only (1) one fuel type/brand of fuel may be used, no mixing of fuels is allowed.
 - Premium Unleaded Petrol (PULP) having properties and characteristics as required by Federal and/or State Government Regulations for Premium Unleaded Petrol (P.U.L.P.)
 - Fuel that has been approved by A.I.D.K.A. (which also will conform to Government Regulations)
 - The only oils permitted for use are:**
 - Kastor Racing M (or Shell M)**
 - ELF HTX 909**
 - Maxima 927 Castor oil**
 - Putoline Castor R**

- Penrite 10 Tenths Race castor oil
- Motul Kart Grand Prix 2T Oil
- Castrol A747
- Rock Oil Castor Kart
- Fuchs/Silcolene Pro KR2
- Ipone Stroke 2R
- Castrol TTS
- Penrite Hi-Per 2 stroke oil
- ELF HTX 976+
- Ravenol Racing castor 2T
- Redline Two Stroke Racing Oil
- Amsoil dominator racing synthetic
- Maxima K2 Fully synthetic Oil
- Motul 800
- Castrol R30/R40
- Rock synthesis 2 racing
- Vrooam 2T Kart Engine Oil
- Yamalube R

h) The fuel, oil and ratio must be disclosed to the A.I.D.K.A fuel tester or officials if requested.

24.3 Safety:

- a) All participants in motor sport are reminded that fuel, oils, lubricants, and Coolants are highly specialised substances.
- b) Participants must be aware that these agents may contain substances that are extremely dangerous to one's health if misused, inhaled or allowed to contact human skin.
- c) Some of the contents of these fuels, oils, and lubricants are suspected of having the potential to cause cancer in rare instances.
- d) The use of petrol as a general cleaning and washing agent is a common misuse of a potentially dangerous substance.

24.4 Any petrol that appears to have been formulated in order to subvert the purpose of this regulation will be deemed to be outside of the accepted regulation.

24.5 In addition, the fuel must contain no substance which is capable of exothermic reaction in the absence of external oxygen.

24.6 Only ambient air may be mixed with the fuel as an oxidant.

24.7 Any, one (1) commercially available motor oil that does not contain a performance enhancing additive may be used. If requested a competitor must advise the relevant officials which brand/type and ratio of oil is being used.

24.8 No substance other than oil as described in this General Rule may be added to petrol used in competition.

24.9 Fuel and oil must comply with AIDKA's rules and regulations.

24.10 Fuel Testing & Sampling will be performed as per Rule 25 (Fuel Testing & Sampling.) AIDKA Technical Committee reserves the right to update and alter Rule 25 (Fuel Testing & Sampling.) when required.

24.11 Control Fuel: AIDKA may state the details and availability of a control fuel. These details must be on approved Supplementary Regulations for the event and will automatically constitute the designated fuel for that meeting. A controlled fuel cannot be a fuel, which is not an approved fuel.

24.12 Before a new fuel or oil is accepted as an approved fuel or oil, it must have all government approvals in writing. AIDKA may conduct an analysis before acceptance. A sample of fuel or an unopened bottle of oil must be submitted to AIDKA for analysis and approval. AIDKA reserves the right to charge all costs associated with the fuel and oil approval procedure back to the applicant.