

Fuel / Oil Selection for YD-A Engines in Australia

Because YD-A Engines are high performance engines with extremely tight tolerances at the manufacturing stage, they have higher compression ratios than many other engines currently on the market.

Because of this, they can handle higher octane ratings in fuel than many of their counterparts from other manufacturers.

For best performance, use any of the following Petrol (commonly available at your local Petrol station):

Petrol:

- Unleaded 91
- Unleaded 95 (preferred)
- 95E (10% Methanol)

2-Stroke Oil

During break-in (first 2 – 3 gallons or 8 – 10 litres)

Good quality mineral oil for air-cooled high performance engines such as Castrol Active 2T in a 32:1 – 40:1 ratio

After break-in

You can continue with the mineral oil in a 40:1 ratio but you will achieve even better power output by switching to a good full-synthetic oil such as Castrol 1 TTS, Belray HR1, Redline Racing or Motul 800 2T

How to mix the fuel:

Good quality 5 litre fuel cans are practical and handy and can be bought from most local petrol stations. Use good quality brand name products and be accurate when measuring your fuel mix. Add oil to container first, then add the fuel to ensure good mixing. Shake your can a few times after mixing to ensure even better mix.

- *Tip: Only mix 4 litres at a time in a 5 litre can to allow for easier mixing of the oil and petrol*

32:1 is 31ml of oil per litre of petrol

40:1 is 25ml of oil per litre of petrol

45:1 is 22ml of oil per litre of petrol

50:1 is 20ml of oil per litre of petrol

DO NOT mix too much oil in the fuel.

*If the manufacturer recommends 32:1 to 50:1 - **DO NOT** mix more than 32:1*

Using AMSOIL 100:1 Oil Mix will void your engine's warranty. We recommend you use one of the oils suggested above and in the ratio recommended.

**** Important ** Always keep your petrol container well sealed. If you are unsure of the age of your fuel mixture, get fresh fuel. Don't risk your favourite plane by using fuel you are not sure of.**