

Feeding your Rotec 4-Stroke Radial Engine Engine Lubrication

Oil Specifications

Rotec recommends using a high quality, major brand, 4-stroke semi-synthetic motorcycle oil.

Oil Types

Users running leaded AVGAS more than 30% of the time should only use semi-synthetic oils, since a full-synthetic oil can sludge and create residues.

Viscosity

A multi-grade oil is recommended. Refer to figure 1 to select the appropriate viscosity for your climate.

Most Highly Recommended Oil:

For all climatic condition this is the optimal oil to use:

AeroShell Oil Sport PLUS 4 which has been specifically designed to suit geared 4 stroke ultralight engines and operates with unleaded or AVGAS (leaded) fuels.

For more information please refer to Shell's website for a complete specification.

Rotec are aware that it may be difficult to source AeroShell Oil Sport PLUS 4 oil in the USA so here is a list of alternate oils. Each falls into the category of being a **semi synthetic for 4 stroke motorcycles** and is a **multi-grade oil**; furthermore, the built in gear additives are used to withstand the high stresses in the reduction gearbox. All the following listed oils fall within the specification required and are alternatives to Shell's product:

- Castrol GPS4 SAE 10W-50
- Yacco MVX Synthetic SAE 15W-50
- Valvoline Dura Blend Synthetic SAE 10W-40
- Penzoil Motorcycle Motor Oil SAE 20W-50
- Pro Honda HP4 SAE 20W-50 SJ
- (most motorcycle shops will have an equivalent semi synthetic 4 stroke motorcycle oil to the above)

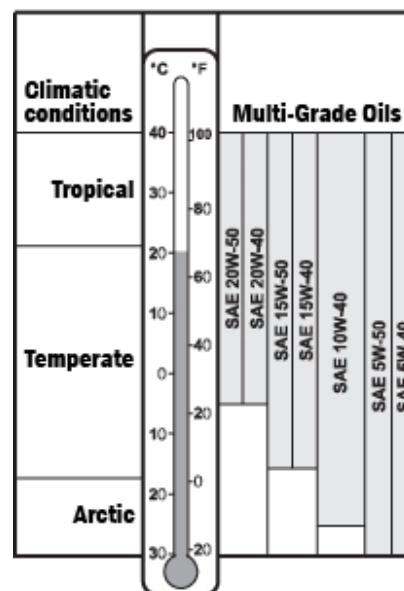


Figure 1. Selection of oil viscosity based on climatic conditions.