



Fuel Ratio

100cc 2-cycle engines require a proper oil mixture due to the high RPM'S that most of them achieve. As a general rule, 1:18 or 1:20 is a safe starting place (1 part oil - 18 parts fuel, 20 parts fuel) however, if you are unsure, contact a local kart shop, engine tuner or even look on line as most of this information is available somewhere. The Rotax FR125 is an exception to this mixture.

You might think that it is beneficial to try and run with less oil in your mixture but 2-cycle oil is designed to atomize and burn efficiently. Also oil will provide a greater degree of compression as it lubricates the cylinder walls.

A good practice is to break in your engine after a rebuild on a castor oil since a synthetic oil is designed to provide more lubrication and thus less wear. While breaking in an engine, you want wear between the ring and cylinder wall and this "ring seating" ultimately determines engine compression.