



## ----- Training Course Syllabus -----

### **912 & 914 Overhaul Course**

Course fee includes copy of current *Overhaul Manual* and *Appendixes*

Due to the hands-on aspect and space limitations the maximum class size is 2 persons.

#### **Pre-Requisites:**

- Completion of recognized Rotax 912/914 Service Course
- Completion of recognized Rotax 912/914 Maintenance Course.
- Completion of recognized Rotax 912/914 Heavy Maintenance Course within the last 24 months.
- Minimum of 3 years of hands-on experience in maintenance of Rotax 4 stroke Aircraft Engines.
- In-depth Knowledge of piston powered aircraft engines.
- Experience and knowledge of precision measurement equipment.
- Applicant must prove he has the facilities, tools and a requirement for overhaul training and meet pre-approval for same.

#### **Intended Audience:**

Maintenance personnel intending to perform complete tear-down Repair/Overhaul of Rotax 912 and 914 series Aircraft Engines.

#### **5 Day hands-on course covering the following according to the Overhaul Manual:**

- Hands-on teardown and evaluation of 912 Series Rotax Aircraft Engine:
  - Complete disassembly including splitting case
  - Proper documentation procedures
  - Inspection of systems and components
  - Measurement and grading of parts
  - Hands on re-working of cylinder heads etc.
  - Notes of areas of concern etc.
- Hands on re-assembly of engine
  - Hands on measurement and qualification of components
  - Test run and qualifying engine
- Tips, tricks and tools of the trade

#### **Examination:**

Open book Written and practical examinations. 75% passing grade as well as full attendance is required for iRMT candidates. Non iRMT participants will receive Certificate of attendance

#### **Preparation:**

- Participants should be prepared for hands-on work on in-service engines and the use of diagnostic and precision tools.
- All participants must perform the tasks; observers are not permitted.
- Some work such as test run of the engine is performed outside so appropriate clothing for the season is required.
- Discussion and constructive debate is encouraged and expected of the participants.

#### **Conclusion:**

At the end of this 5 day hands on practical course, the learner should have a thorough understanding of procedures to complete a UL overhaul of a Rotax 912/914 Series aircraft Engine.

- Certificate awarded for successful completion.
- 32 hours of initial, recurrent or update training