Questionnaire

... if you have a problem with the engine, the following data should be provided in as much detail as possible.

---

1. what type of aircraft is involved
2. what year the plane was built
3. what type of engine is involved
4. how many operating hours has the engine run
5. when and how many hours ago was the last airframe maintenance
6. what is the engine number
7. what maintenance was carried out how long ago and who carried it out
8. what fault is present
9. what troubleshooting measures have been carried out so far

An important note on troubleshooting: It is advisable to take only one measure at a time and check its success.
If several parts are replaced or adjustments made at the same time, it is not possible to know which measure has led to success.

to 1:

the answer may be important to get an idea of the installation situation of the engine. Is it perhaps a tailwheel airplane?

to 2:

perhaps there are special features in the year of manufacture or problems that have been rectified after an AD[1)] that could play a role

to 3:

Basically, different Rotax engines are operated: five 4-strokes and various 2-strokes

to 4:

Have the hoses, electric fuel pump, engine suspension etc. been replaced, or do they need replacing?

to 5:

Based on experience, certain people can narrow down possible faults here.
It is also helpful to know whether the engine has already been overhauled.
A distinction is therefore made between TSN[2] and TSO[3]

to 6:

is very helpful to search for SBs[4] in advance to get closer to an answer
If you have data protection concerns, you could at least enter the first 4 digits.
This means that no conclusions can be drawn about the owner.

to 7:

There are many errors that are caused by a maintenance backlog. And — no one who is seriously trying to help the questioner will point the finger at him[5]...

to 8:

Please describe the error in as much detail as possible. Every little detail counts here.
It is also important whether the error is reproducible and under which operating conditions it occurs.
Not helpful are notes such as: ... then it goes hum, hum, tack, tack, click, zong .....

to 9:

Again, describe all previous measures and their success in as much detail as possible.
Have parts been replaced, if so which ones - please specify each part[6]
Has work been carried out by a company, if so, which ones?
What did you carry out yourself as the owner?

1)
Airworthiness Directive
2)
Time Sinse New
3)
Time Since Overhaul
4)
Service Bulletins
5)
or should remain silent
6)
even if the list is quite long

From:
https://www.kleinjung.de/rotax/ - **Ralle's ROTAX FAQ**

Permanent link:
https://www.kleinjung.de/rotax/doku.php?id=en:error_questions

Last update: **14.02. 2025 08:18**