

LAA AWA 13 02  
7<sup>th</sup> March 2013

(Updated on 26<sup>th</sup> April 2013 to include link to CAA MPD mandating EASA EAD. MPD can be found [Here](#))

## Rotax 912 & 914 Engines

### Cylinder Head Inspection/Replacement

BRP – Powertrain GmbH & Co., manufacturers of the Rotax 912 & 914 Engines, have issued an Alert Service Bulletin (ASB-012-062/ASB-914-044 R1 and ASB-912-062UL/ASB-914-044UL R1) affecting both Certified and Uncertified engines of this type within specific serial number ranges. The problem is due to a machining error in some of the cylinder heads which allows a small quantity of oil to pass into the combustion chamber. Recent purchasers of both the 914 & 912 engines must check the serial number of their engine and, if it's within the affected range, remove and inspect the sparking plugs from number 2 and 3 cylinders; if the engine has been incorrectly machined, plug fouling will have occurred and the cylinder heads must be replaced.

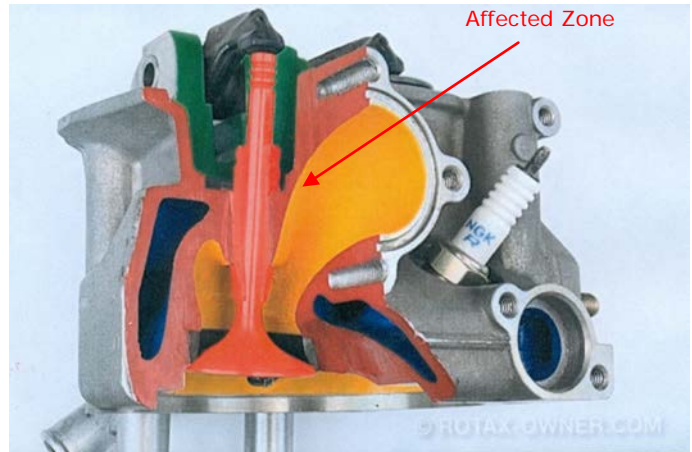


Fig. 1. A cutaway of a 9 series cylinder head showing where cutter may have broken through casting. (Rotax-Owner.com)

Full details of this inspection, including the serial number of the engines affected, can be found for Uncertified Engines [HERE](#); and for Certified Engines [HERE](#).

These Bulletins have been mandated in Europe by an EASA Emergency AD (2013-0055-E) which can be found [HERE](#).

This Bulletin primarily relates to engines supplied between November 2012 to date, engines purchased before this date are not affected. All UK engines supplied by the UK Rotax agent, Skydrive, have been identified and their owners contacted; engines purchased from other sources (e.g. received with a kit) will need to be checked by the owner.

There is an excellent video about this inspection, backed by Rotax, available from the Rotax-Owner.com website:

<http://www.rotax-owner.com/>

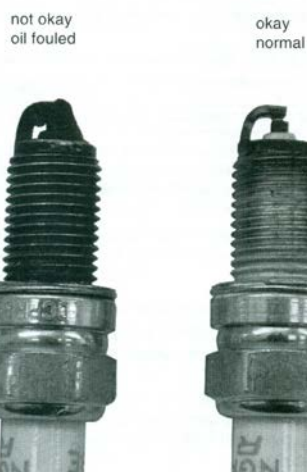


Fig. 2. Spark Plugs; because Rotax dyno test every new engine it is easy to spot an affected engine as the sparking plug will be oil fouled.

(BRP-Powertrain)