

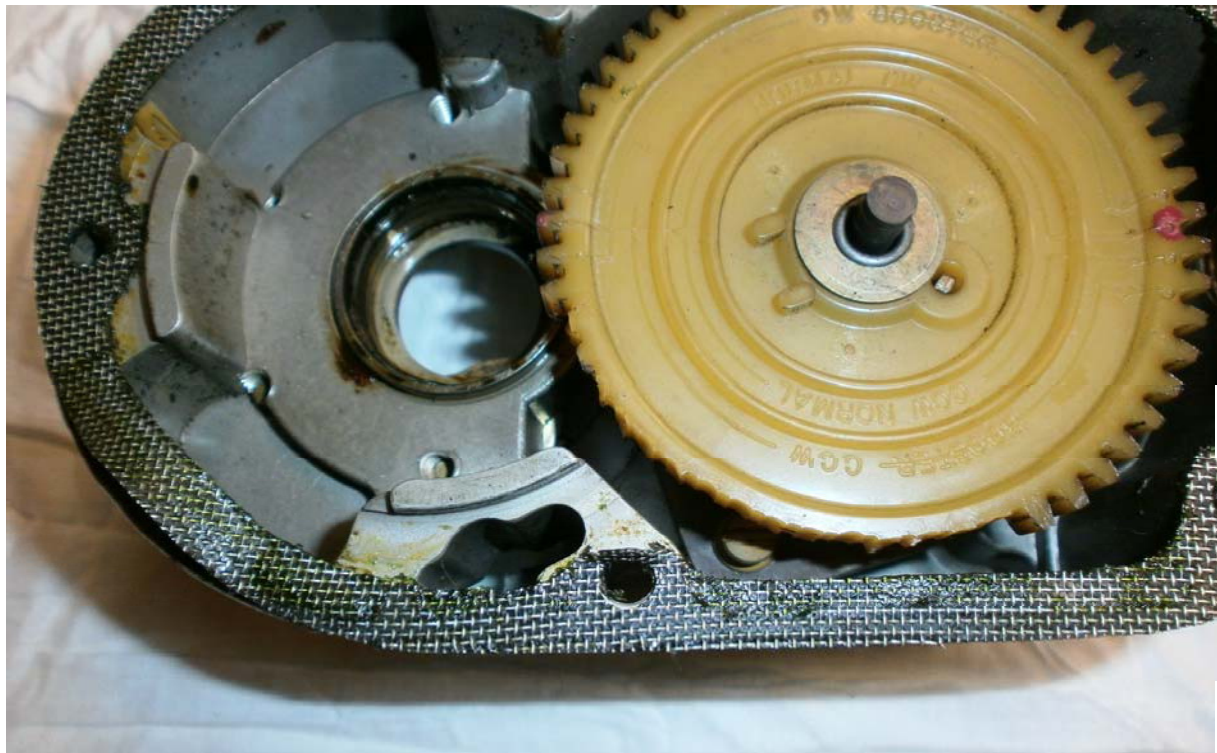
## **Continental Magneto, S6RSC-25P, Failed Distributor Gear, ATA 7414**

### **Continental Magneto: S6RSC-25P; Failed Distributor Gear; ATA 7414**

(This report—and the following report—comes to us from Hungary by way of the European Aviation Safety Agency. Both reports reference the same Cirrus SR22 airplane and Continental IO550N engine, but different magnetos.)

A mechanic advised, "The crew reported severe engine vibration and raised EGT (exhaust gas temperature) at the same time in cylinder number three. A quick inspection on the ground revealed the R/H magneto to be inoperative. The operator decided to replace the magneto (P/N 10-500556-101) with a brand new one. After replacement was accomplished, further investigations followed: cylinder differential compression check; spark plug check. During this additional (inspection) we also found the ceramic on the upper spark plug of number three cylinder to be broken. It was replaced, and a test flight conducted. We climbed to 18,000 feet—everything reported normal.

"During disassembly of the magneto, the distributor gear failed. This defect might have caused an engine in-flight shut down that could lead to a loss of control. This magneto was replaced."



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Part Total Time: 673.0 hours