



## Safety recommendation no. 5

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| <b>Date of the publication</b>                                   | 23.12.2016  |
| <b>Number of the final report</b>                                | 2286  |
| <b>Safety deficit</b>  | <p>As part of the safety investigation, it was established that, with Rotax 912 engines whose oil tank features a suction pipe without a slotted end, a maintenance mistake can lead to a situation that causes sudden engine failure. Since 2013, the engine manufacturer has been delivering Rotax 912 engines with modified oil tanks that feature an oil suction pipe with a slotted end and a recessed partition. This modification prevents the partition from being sucked shut and the associated interruption of the oil supply.</p> |
| <b>Safety recommendation</b>                                     | <p>Even if one were to argue that a critical situation cannot arise if all components are completely reinstalled and maintenance is completed correctly in accordance with the guidelines, the modification does represent a simple and cost-effective optimisation of the lubrication system. For this reason, the Swiss Transportation Safety Investigation Board recommends upgrading the relevant engines.</p>  |
| <b>Investigation report concerning the safety recommendation</b> | <u>Schlussbericht</u>   |