



PILATUS AIRCRAFT LTD. CH-6371 STANS, SWITZERLAND

# SERVICE LETTER

**SUBJECT: ENGINE-CONDITION TREND DATA-MONITORING**

To all Customers and Operators:

Date: Aug 25/07

This Service Letter is issued to draw attention to the following information:

## **ENGINE-CONDITION TREND DATA-MONITORING - INCORRECT ENGINE EXCEEDANCE DATA**

The Trend Group have found that it is possible for incorrect engine exceedance data to be recorded on the trend data cards for the engine instrument system. The incorrect data is recorded during maintenance and/or initial engine start.

An Engineering Review found that the incorrect data can be prevented by applying a filter to the exceedance data file that is downloaded from the aircraft.

The Trend Group have designed a simple filter that prevents the incorrect data as follows:

If an exceedance condition is recorded, the filter does a check of the propeller speed (NP) immediately before the exceedance. If the NP was zero, the exceedance is ignored.

The logic of the filter is that the engine must be running for a recorded exceedance condition to be correct. If the propeller is not turning when the exceedance is recorded then the engine is not running and the exceedance can be ignored.

Pilatus recommends customers to implement a similar filter for engine trend data gathering to preclude unnecessary engine maintenance that may be initiated due to erroneous exceedance.

Operators requiring further information on this subject, please contact one of the addresses given below:

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