



PILATUS AIRCRAFT LTD. CH-6371 STANS, SWITZERLAND

# SERVICE LETTER

**SUBJECT: P&WC SERVICE INFORMATION LETTER NO. GEN PT6-016 (JT15D-020)**

To all Customers

Date: Sep 28/98

This Service Letter is issued to draw attention of all customers to the following vendor information:

**P&W Canada Service Information Letter No: GEN PT6-016 (JT15D-020) - Sulphidation Attack.**

Pilatus recommends that PC-12 customers read the P&WC SIL No. GEN PT6-016, when they intend to fly in areas where there is a high risk of sulphidation attack; on the engine's compressor turbine disk balancing assembly and blades.

Sulphate salts will develop in the gas path if sodium and sulphur are both present. Most aviation turbine fuels contain sulphur in sufficient amounts for sulphation to occur if a source of sodium is present. The most common source of sodium is sea water, but it can also be found in industrial atmospheric pollutants and volcanic discharge. The presence of these salts, on hot component surfaces, starts a cycle of chemical reactions which initially attack the protective oxide layer and progress to attack the substrate material.

The P&WC SIL introduces and explains what "Sulphidation Attack" is and how it can be minimized.

If you have not received this document direct from the vendor, please contact them at the address given below:

Pratt and Whitney Canada Inc.  
1000, Marie-Victorin  
Longueuil, Québec  
Canada J4G 1A1      Tel: 514-677-9411

Operators requiring further information on this subject, please contact the address given below:

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