



PILATUS AIRCRAFT LTD. CH-6371 STANS, SWITZERLAND

# SERVICE LETTER

**SUBJECT: ISSUE OF P&WC TEMPORARY REVISION NO. 79-02 AND SERVICE INFORMATION LETTER PT6A-034R1**

All Operators:

Date: October 21/97

This service letter draws the attention of Operators to the attached Vendor information which provides full details on the above topics as follows:

**NOTE:** This Service Letter supersedes Pilatus Service Letter PC-12-014 (dated June 02/97).

**APPENDIX A** Pratt and Whitney of Canada Temporary Revision No. 79-02 regarding the oil filter housing maintenance practices.

**APPENDIX B** Pratt and Whitney of Canada Service Information Letter PT6A-034R1 regarding discolored engine oil.

Firstly, contact the vendor (at the address provided in the appendix information) for any specific inquiries concerning the subject matter.

If you have difficulty, make inquiries at the following address:

PILATUS AIRCRAFT LTD.  
CUSTOMER LIASON MANAGER,  
CH-6371 STANS,  
SWITZERLAND.

Tel: + 41 41 619 6509  
Fax:+ 41 41 610 3351

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**Appendix A to Pilatus Service Letter No. 029**

(P&WC Maintenance Manual Temporary Revision No.79-02, Maintenance Practices  
for the Oil Filter Housing on PT6A-67B/-67D Engines)

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PRATT & WHITNEY CANADA  
MAINTENANCE MANUAL  
MANUAL PART NO. 3038336

PT6A-67B/-67D.

## TEMPORARY REVISION NO. 79-02

APPLICABILITY.....Revision No.9, Dated March 14/97 Maintenance Manual

LOCATION.....INSERT Temporary Revision 79-02 to face page 211, Chapter 79-20-02.

### OIL FILTER HOUSING - MAINTENANCE PRACTICES

The purpose of this Temporary Revision is to revise Para. 8. Inspection/Check by deleting the NOTE at existing Para. 8. A . and adding a new Para. 8.A.

8. Inspection/Check

A. Main Oil Filter Contamination - PT6A-67B

- (1) Take an oil sample 250 ml (1/2 pint) minimum from the oil tank. Identify the sample indicating the engine serial No., TSN, TSO, date the sample was taken, oil type, total time since last oil change and the condition of the oil filter.

NOTE : Send the sample to the address below. (For convenience, and reporting purposes only, SIL PT6A-034R1 may be used).

Pratt & Whitney Canada  
1000 Boulevard Marie Victorin  
Longueuil., Quebec  
Canada J4G 1A1

Attn: Chemical Technology & Test  
Mail Code 01AF3  
Program SIL PT6A-034R1

- (2) Check oil level and service as necessary (Ref. 72-00-00)

NOTE: If inspection of the oil filter element indicates abnormal appearance, e.g. darkish colour, heavy or visible contamination contact the local P&WC Field Representative.

AA. Main Oil Filter Contamination and Chip Detector Circuit Completion

mtp900

**79-20-02** Page 1 of 1  
OIL FILTER HOUSING - MAINTENANCE PRACTICES Oct 03/97



**Appendix B to Pilatus Service Letter No. 029**

(P&WC Service Information Letter PT6-034R1, Discolored Oil in PT6A-67B Engines)

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## SERVICE INFORMATION LETTER

Subject Engines - Discolored Oil

Applicability PT6A-67B Engines

This Service Information Letter is being revised to advise PT6A-67B operators that there have been three additional reported events of discolored oil, bringing the total to five. The total time of the PT6A-67B engines reported having discolored oil ranged from 400 to 1450 hours since new.

Since the issuance of the original SIL, P&WC has had two of the subject engines returned to P&WC for investigation. Findings to date indicate the following:

- 1) Coking of the oil (i.e. carbon build-up) in the No.2 bearing cavity was noticed on both engines, and contributes to the oil discoloration. Consequently, loosening of the carbon deposits of the No. 2 bearing housing will collect in the oil filter and may result in oil pressure fluctuation during engine operation.
- 2) Limited wear of the second stationary stage carrier ring gear and spline in the front housing of the reduction gearbox was also observed on these engines. This condition does not affect engine operation.

While the root cause of the indicated findings is being investigated, P&WC requests that during the prescribed 100 hours oil filter inspection (per PT6A-67B Maintenance Manual, ref. 72-00-00), **an oil sample (minimum 250 ml) must be taken from the oil tank, regardless of its color** and sent to the address given below. A Temporary Revision to the PT6A-67B Maintenance Manual (to section 79-00-00) has been issued to clarify this interim requirement.

This Service Information Letter is valid for one year from date of issue.

Issued: 30 Sept./97

1000, Marie-Victorin, Longueuil, Québec  
Canada J4G 1A1

PRINTED IN CANADA

Please fill out the attached form (which has been revised) and send it along with PT6A-67B oil sample to the address below. Should the oil filter be at the end of its filter life, kindly return it at the same time with the oil sample to the following address:

Chemical Test & Technology  
Pratt & Whitney Canada Inc.  
1000 boul. Marie Victorin  
Longueuil, Quebec  
J4G 1A1  
Mail Code: 01AF3  
Program : SIL PT6A-034R1  
Attention: Mr. Maurice Jean

**Please return samples as follows:**

1. Ship “COLLECT” to the address below utilising P&WC’s preferred carrier as specified in Table 1.
2. A declared value of \$10.00 must be indicated for Customs purposes only on shipper’s documentation (i.e. Commercial Invoice, Canada Customs Invoice etc.).
3. Shipper to indicate on all documentation to ship samples “FCA shipper’s Plant” and reference P&WC CSP I97239.

**TABLE 1**

<b>COUNTRY</b>	<b>PREFERRED CARRIER</b>
Argentina	Emery
Australia	Emery
Brazil	Danzas
Canada	Sameday Right O Way
Italy and United Kingdom	MSAS
Rest of Europe	Emery
Japan	Emery
U.S.A.	Emery
South Africa	MSAS

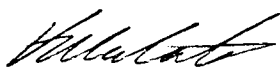
Page 3, S.I.L. PT6A-034R1

The oil will be analyzed and monitored by P&WC. Based on the results of the investigation, permanent corrective action will be recommended in a subsequent SIL.

In the event that a restriction is found in the oil filter, please contact your local P&WC Field Representative for disposition.

Yours truly,

PRATT & WHITNEY CANADA INC.



V. Mastrocola,  
Manager, PT6A Technical Support,  
Programs & Reliability

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ATTACHMENT S.I.L. PT6A-034R1

**SEND THIS FORM ALONG WITH THE PT6A-67B OIL SAMPLE:**

Pratt & Whitney Canada Inc.  
1000 boul. Marie Victorin  
Longueuil, Quebec  
J4G 1A1  
Mail Code: 01AF3  
Program : SIL PT6A-034R1  
Attention: Chemical Test & Technology  
Mr. Maurice Jean

Operators name: Address Phone/Fax no.	
Engine S/N that oil sample was taken from:	
TTSN/TCSN	
Date that oil sample was taken	
Total time since last oil change	
Status of oil filter (clearly indicate if oil filter is being returned)	
Is filter at the end of its filter life? If yes, please send in the filter	
Oil type	

