



PA 31 Series Hydraulic Filter Housing  
Failures

**AWB** 29-003 **Issue :** 1  
**Date :** 11 August 2008

## 1. Applicability

All Piper PA31 Series aeroplanes.

## 2. Purpose

Alert operators and maintainers of Piper PA 31 Series aeroplanes of continuing failures of the undercarriage system hydraulic filter housings.

## 3. Background

CASA Service Difficulty Reports indicate that the undercarriage system hydraulic filter failure occurs in the threaded portion of the filter. Failure of the filter threads allows system hydraulic oil to be discharged overboard under pressure, severely depleting hydraulic system fluid. The reports indicate that in each case, the crew has been able to use the emergency system to deploy the undercarriage for landing.



## 4. Recommendation

At each hydraulic system filter inspection/change, conduct a close visual inspection the hydraulic filter housing thread roots for cracking using a 10X magnifying glass and discard all suspect filter housings.



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## 5. Enquiries

Enquiries with regard to the content of this Airworthiness Bulletin should be made via the direct link e-mail address:

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