

Continuing Airworthiness Notice 57-004

Pacific Aerospace Cresco 08-600 Aircraft - Excessive Wear found in Wing Rear Spar to Fuselage Attach Fittings

30 May 2023



Issued by the Civil Aviation Authority of New Zealand in the interests of aviation safety. A Continuing Airworthiness Notice (CAN) is intended to alert, educate, and make recommendations to the aviation community. A CAN contains information and guidance about an airworthiness concern that does not meet the criteria for an Airworthiness Directive (AD). The inspections and practices described in this CAN must still be carried out in accordance with the applicable NZCAR Parts 21, 43 and 91.

CAN numbering is by ATA Chapter followed by a sequential number for the next CAN in that ATA Chapter.

Applicability:

All Cresco 08-600 aircraft.

Purpose:

CAA have received a defect report of a finding of significant damage in the wing rear spar to fuselage attach fittings on a Cresco aircraft caused by movement of the bolts. For further detail refer to the photos on page 2 of this Continuing Airworthiness Notice.

Background:

The defect report states that the bolt holes in the wing rear spar to fuselage fittings were found to be beyond maximum allowable oversize, which required a modification to correct. It was also found that the bolt heads had created 0.034" and 0.039" indentations in the spar attach fittings. The defect report stated that early detection of spar attachment wear and damage was prevented due to the application of a thick flexible sealant to the bolt heads and fittings.

Recommendation

Maintenance engineers are reminded of the importance of following the appropriate instructions for continuing airworthiness (ICA) when applying sealants and compounds to structural components, and when preparing any area for inspection.



Wing rear spar to fuselage attachment fitting with sealant applied.



Wing rear spar to fuselage attachment fitting with sealant and nut removed.