

Continuing Airworthiness Notice 27-024



Guimbal Cabri G2 Helicopters – Cracked Tail Rotor Control Pedal

19 July 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 Guimbal Cabri G2 Helicopters.

Purpose:

CAA have received a report from a maintenance provider of finding a cracked tail rotor control pedal assembly at the RH seat location on a Cabri G2. Refer to Figures 1 and 2 below in this CAN.

Background:

During a scheduled 500-hour inspection of the aircraft, the engineer found paint cracking on the tail rotor pedal assembly located on the RH side of the helicopter. The paint was removed, and the pedal inspected using a 10x magnifying glass. A distinct line and indications of rust were noted. The pedal was sent for NDT inspection where the indication of a crack was confirmed.

It is not clear if any specific event, or the age of the aircraft are contributing factors to the initiation of the crack.

Recommendation

This incident highlights the need for diligence when carrying out routine inspections, and of the importance of further investigation when an indication of a defect (especially a crack) is identified.



Figure 1. Pedal as initially inspected.

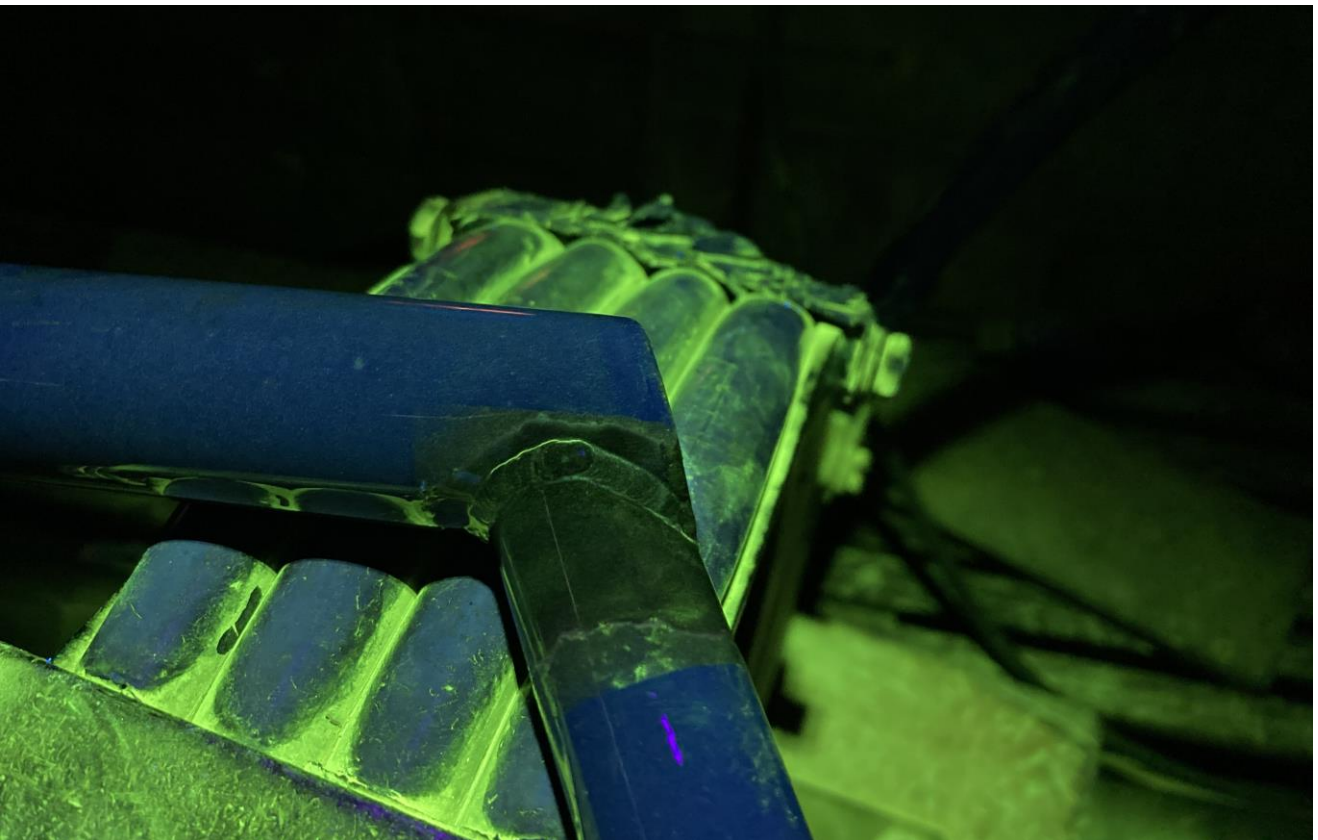


Figure 1. NDT inspection image (with paint removed).