

Slingsby Engineering Limited

Kirkbymoorside

York YO6 6EZ

TECHNICAL INSTRUCTION NO.90

SLINGSBY T53B AND LATER VARIANT YS53

IMMEDIATE INSPECTION OF ATTACHMENT OF WING CENTRE

SECTION TO FRAME 6

Introduction

A case has recently been reported of a fatigue crack occurring in the welded bracket which holds the rear spar member of the centre section to the fuselage frame 6. This is a recurrence of the type of failure described in Slingsby Sailplanes Technical Instruction No.69 which has reoccurred on a modified aircraft.

Applicability

This instruction is applicable to all T53B gliders and to later variant YS53 by Yorkshire Sailplanes.

Compliance

This inspection has been made mandatory by the Civil Aviation Authority and must be completed before the next flight.

Procedure

Inspect the welded bracket which holds the rear spar member of the centre section to the fuselage frame 6. Cracks have occurred at the corner of the fitting where the attachment flanges begin.

Also inspect the metal lugs and channel section on frame 6 which are attached to this fitting (see attached sketch).

If any cracks are found the aircraft is to be grounded. All findings are to be reported to Slingsby Engineering Limited marked for the attention of the Chief Designer.

