

BRITISH EUROPEAN AIRWAYS.

REPORT ON DAMAGE TO VIKING A/C G-AIVG SUSTAINED AFTER STARBOARD TYRE BURST AT PARIS ON THE 12.8.53.

(Based on preliminary inspection without extensive removal of panels and damaged structure - aircraft still on belly, and port main wheel still in position where pushed into fuselage.)

EXTERNAL FUSELAGE.

1. Wrinkling of skin port side above and in front centre section leading edge (stns. 217.93 - 261).
2. Belly stbd. side penetrated by port undercarriage and wheel. Extensive damage to skin and associated structure (stns. 242.34 - 283).
3. Grazing of belly skin and associated structure, severity unknown (approx. stns. 105 - 440).
4. Severe wrinkling of skin, starboard side with buckling of frames above and below centre section (stns. 240 - 283 above, and 240 - 329).
5. General buckling of belly frames in area of contact with ground.
6. Wrinkling of skin above and behind No. 1 hold (stns. 152 - 196).
7. Captain's side window smashed by escape pin.

INTERNAL FUSELAGE.

8. No. 1 hold door rear frame buckled.
9. Frame at stns. 240 - 242.34 severely damaged by penetration of port undercarriage.
10. Hold roof, port side, severely damaged by penetration of port undercarriage, together with associated damage to frames, structure, controls, pipes and leads.
11. One double seat, over hole in floor badly distorted.
12. Frame at 261 severely damaged by penetration of wheel.
13. No apparent damage.

PORT POWER PLANT & NACELLE.

14. Propeller blades bent.
15. Shock load test required.

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16. Oil cooler fairing damaged, cooler pushed into accessory bay.
17. Undercarriage broken away at front swivel attachments and radius hinges.
18. Starboard front undercarriage door torn away.
19. Port front undercarriage door former torn.
20. No obvious damage apart from the above to nacelle.

STARBOARD POWER PLANT & NACELLE.

21. Propeller blades bent.
22. Shock load test required.
23. Oil cooler fairing buckled.
24. Undercarriage front attachment points in nacelle badly damaged. Nacelle required removal for repair.
25. Nacelle top panel buckled.
26. Nacelle top cross tube broken.
27. Main wheel hub grazed beyond repair, tyre burst.
28. Undercarriage front retaining brackets broken.
29. Nacelle fuel tank buckled and pushed up.
30. Undercarriage doors wrinkled.
31. Starboard inner exhaust pipe dented.

WINGS.

32. Port outer plane has touched ground, but no apparent damage necessitating repairs.
33. Port centre section wrinkled and holed by port undercarriage, with associated damage to stringers and structure.
34. Starboard outer plane very severely holed and buckled by contact with ground. Spars extensively damaged. Considered to be beyond economical repair.
35. Starboard centre section under surface wrinkled and stringers damaged.
36. Starboard centre section fuselage lower fillet wrinkled.