

National Transportation Safety Board

Office of Aviation Safety

Washington, DC 20594



WPR23LA241

AIRFRAME AND ENGINE EXAMINATION REPORT

March 12, 2024

TABLE OF CONTENTS

A. ACCIDENT	3
B. AIRFRAME AND ENGINE EXAMINATION REPORT	3
C. SUMMARY	3
D. DETAILS OF THE EXAMINATION.....	3
1.0 ACCIDENT SITE	3
2.0 AIRFRAME EXAMINATION.....	4
2.1 Fuselage.....	4
2.2 Empennage	6
2.3 Wings	7

A. ACCIDENT

Location: Marana, Arizona
Date: June 23, 2023
Time: 03:55
Airplane: Cessna 172K / N84385

B. AIRFRAME AND ENGINE EXAMINATION REPORT

Group Chair / IIC	Fabian Salazar National Transportation Safety Board Federal Way, Washington
FAA Representative	Darren Henley Federal Aviation Administration (FAA) Scottsdale, Arizona

C. SUMMARY

The IIC did not travel to the accident site or the airplane owner's hangar to examine the airplane. The representative for the FAA travelled to the owner's hangar and conducted a postaccident examination of the airplane. During the examination the FAA representative did not observe evidence of a mechanical malfunction or failure that would have precluded normal operation. The FAA representative and the airplane owner found no evidence of a fuel leak.

D. DETAILS OF THE EXAMINATION

1.0 Accident Site

The airplane came to rest inverted, in a field covered in large bushes of about ten feet in height. The location coordinates were provided by local law enforcement officers. Location: 32.547090, -111.362310, See figure 1.

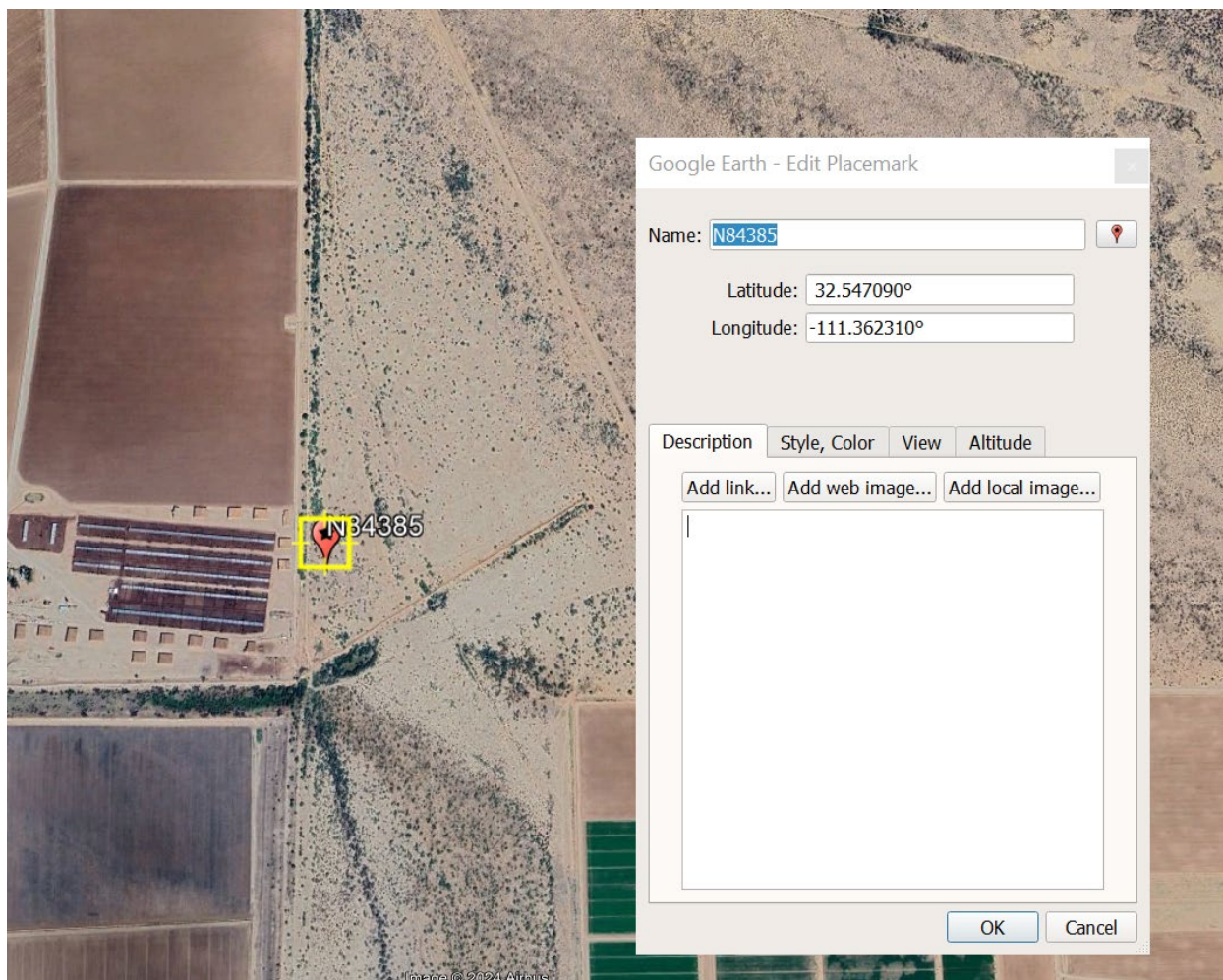


Figure 1. Goggle Earth image showing the location of the accident airplane.

The airplane sustained substantial damage to the wing struts and fuselage. The airplane was recovered to a secure hangar for further examination.

2.0 Airframe Examination

Examination of the airplane was conducted by the representative of the FAA. Afterwards, the owner dismantled the airplane.

2.1 Fuselage

Review of photographs revealed substantial damage near the tail cone area. See figure 2 and 3.



Figure 2. Photo of the accident airplane. Photo courtesy of the owner.



Figure 3. Close up view of the substantial damage to the tail cone area of the fuselage. Photo courtesy of the owner.

2.2 Empennage

The empennage exhibited minor damage. See figure 4.



Figure 4. Empennage. Photo courtesy of the owner.

2.3 Wings

The left wing exhibited substantial damage to the left-wing strut. See figure 5.



Figure 5. Left wing and wing strut damage. Photo courtesy of the owner.

Submitted by:

Fabian Salazar
Investigator in Charge