

Solar Energy South Africa

Causes of the fan blade accident



Overview

The National Transportation Safety Board (NTSB) determines that the probable cause of this accident was a low-cycle fatigue crack in the dovetail of fan blade No. 13, which resulted in the fan blade separating in flight and impacting the engine fan case at a location that was critical to the structural integrity and.

Southwest Airlines Flight 1380 was a that experienced a in the left engine after departing from en route to .

At 11:03 am , the aircraft was flying at 32,000 feet (9,800 m) and climbing when the left engine failed. As a result, most of the and parts of the broke off. Fragments from the inlet and cowling struck the wing and and.

On the day of the incident, , the , made a statement to "commend the pilots who safely landed the aircraft and the crew and fellow passengers who provided support and care for the injured.

The aircraft involved was a Boeing 737-7H4 with 27880, fuselage line number 601, and as N772SW. The aircraft had been in service with Southwest Airlines for nearly 18 years since its manufacture in 2000. It was powered by.

Initial investigationThe participants in the investigation included the (NTSB), the United States (FAA), , Southwest Airlines, , the .

The incident involving Flight 1380 was featured on the fifth episode of of the Canadian documentary series , known in the United States as . The episode is titled "Cabin Catastrophe". .

- , a 1973 accident involving an uncontained engine failure and a passenger being ejected from the aircraft through a window
- , a 1996 accident involving an uncontained engine failure and two fatalities from.

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Analysis on the Causes of Cracking at the Last Stage Blade of the ...

the power station have multi-stage blades and multiple blades for each stage, as long as there is a problem with one of the blades, it is possible to have an accident, which will result in the ...

6 Causes of Ceiling Fan Wobble & How to Fix Them

It is crucial for you to prioritize the maintenance and safety of your ceiling fan to prevent any accidents or mishaps. What does fan wobble mean? Fan wobble refers to the shaking or unsteady movement of a fan. It is ...



Left Engine Failure and Subsequent Depressurization, Southwest ...

Portions of the left engine inlet and fan cowl separated from the airplane; one fan cowl fragment impacted the left- side fuselage near a cabin window, and the window departed the airplane, ...

Engine Explosion Cause Found: NTSB Final Report On ...

The former Naval aviator and pilot of the Southwest Airlines Boeing 737 operating as

Flight 1380 was called to action when a fan blade broke off from the big turbofan engine on the left side of the twinjet. The failure threw ...



The Most Common Causes of Aviation Accidents

Sometimes these malfunctions are caused by wear and tear of the parts, but they can also be caused by improper repairs or equipment adjustments. However, it is often a catastrophic, unforeseen failure that can ...

Aviation Incident Final Report National Transportation Safety Board

The examination of the engine's fan blades revealed fan blade No. 11 was fractured transversely across the airfoil directly above the fairings that are between the base of each blade. The other ...



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Aviation Accident Final Report National Transportation Safety Board

We determined the probable cause(s) of this incident to be: The fatigue failure of the right engine fan blade. Contributing to the fan blade failure was the inadequate inspection of the blades, ...

Aviation Incident Final Report National Transportation Safety Board

The airplane, a Boeing 777-222, experienced a full length fan blade fracture in the No. 2 (right) engine, a Pratt & Whitney (P& W) PW4077 turbofan, while in cruise flight shortly before top of ...



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