

1. What are the common engine problems in aircraft?

Preventable fuel problems such as exhaustion, mismanagement, contamination or misfuelling. Structural failures where a broken connecting rod, crank, valve or camshaft is present account for seventeen percent of engine failures, primarily in continental engine.

2. What are the basic sections in an aircraft engine?

Air intakes.

Compressors.

Combustors.

Turbines.

Cooling systems.

3. What causes a plane engine to fail?

Engine failures can be caused by mechanical problems in the engine itself. Such as damage to portions of the turbine or oil leaks, as well as damage outside the engine such as fuel pump problems or fuel contamination.

4. What is jet engine exhaust called?

Jet engines leave white trails or contrails, in their wakes for the same reason you can sometimes see your breath. The hot humid exhaust from jet engines mixes with the atmosphere, which at high altitude is of much lower vapor pressure and temperature than the exhaust gas.

5. How long do aircraft engines last?

Older and smaller jet engines typically have TBOs of 5,000 hours at the most. More modern engines have about 6,000 hours or more. With most business jets accumulating less than 500 hours of flying time a year the schedule for modern jet engine MRO operations averages about 12 years or more.

6. How do we prevent airplane engine failure?

But one of the most valuable and easiest ways to help prevent an engine failure is to closely monitor the engine parameters reported by the aircraft's instrumentation.