Amfuel is the largest designer and fabricator of composite material products for aviation, aerospace, military ground forces and commercial transport industries. Amfuel produces fuel bladders for the aviation industry and has developed crash resistant and self sealing fuel cells and special auxiliary equipment for extended range applications.

Amfuel’s water and fuel logistic system for stationary and portable application are the most cost effective and safest methods of distributing and transporting bulk materials by land, sea or air.
I. SERVICE LIFE RECOMMENDATION FOR C-130 AIRCRAFT FUEL CELLS
   a. Fuel cells have a service life that is affected by many factors such as flight hours, removal and replacement cycles and environmental conditions.
   b. Amfuel strongly recommends that fuel cells in the aircraft older than fifteen (15) years, be replaced when the aircraft is in for major depot level maintenance. This will greatly reduce aircraft down time and maintenance requirements.
   c. In the event a leak test is required, it is the recommendation of Amfuel that the cell be returned to the factory for testing per Amfuel ATP, or the cell be tested for a period of not less than five (5) days in special fixture. Any signs of leakage at the conclusion of this test will be cause for rejection.

II. FUEL CELL SHELF LIFE / STORAGE RECOMMENDATIONS FOR C-130 FUEL CELLS
   a. It is the recommendation of Amfuel that any fuel cell, which has been stored for an extended period of time, either at Depot Level or in the aircraft, be inspected closely. If there is no objective evidence that the proper storage procedures have been followed or the fuel cell is more than fifteen (15) years old, then Amfuel strongly recommends that the fuel cell should not be installed and/or placed in service.
   b. A fuel cell is considered new for 36 month from the original date of manufacture, while in storage at Amfuel.
   c. Fuel cells that have been handled and/or stored in accordance with applicable Military, Customer or Industry acceptable methods and selected for aircraft installation within 3 years of date of manufacture require no additional inspection and are considered factory new.
   d. Fuel cells that have been handled and/or stored in accordance with applicable military customer or industry acceptable methods shall be re-inspected within (2) years of initial inspection. This procedure shall be performed every two (2) years thereafter until subject cell is put in service. Fuel cells that have not been inspected within four (4) years of date of manufacture must be returned to manufacturer for evaluation and testing.

Director, Quality
Amfuel

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