

Aviation Logistics Center Cadet Summer Internship

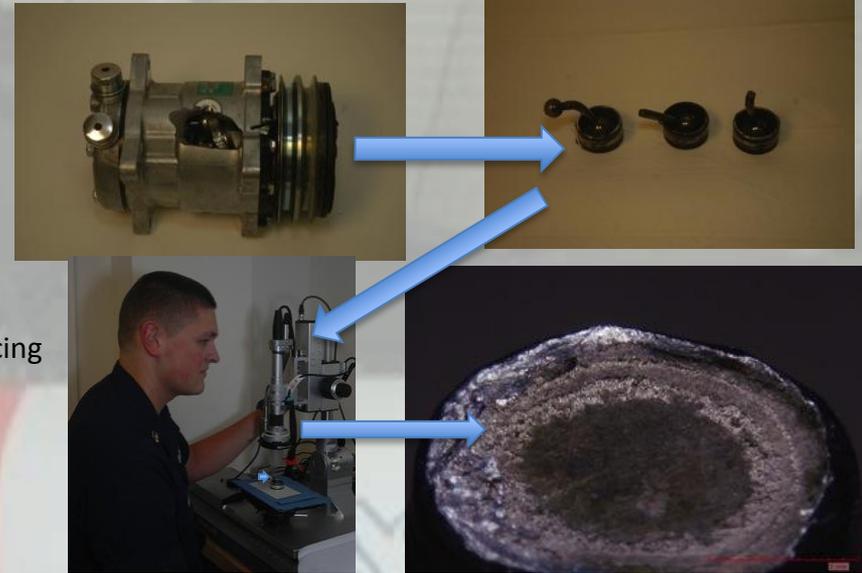


What Is The Internship?

- 6-week summer academic internship, focused in the area of Coast Guard Aeronautical Engineering (CG-41). The Airworthiness Sustainment Branch (ASB) of the Engineering Services Division (ESD) at the Coast Guard Aviation Logistics Center (ALC) hosts the internship annually.
- Purpose of internship:
 - Expose cadets to the roles and missions of the ALC and Coast Guard air stations
 - Introduce cadets to corrosion and structural engineering within Aeronautical Engineering
 - Promote interest in aviation and potential careers in Coast Guard Aeronautical Engineering
 - Complete a project that benefits the ALC and further the cadet's understanding of engineering

Past Cadet Internship Projects

- 2005:
 - Airframe Life Extension: Hanging on Cutters
- 2006:
 - HH-65C Jet Engine Monitoring System
 - Updating the ALMIS Architecture
- 2007:
 - MH-60T Box Frame Absorber and HC-144 Propeller Balancing
 - HH-65C Corrosion Prediction Modeling
 - Active Corrosion Prevention Systems
- 2008:
 - HH-65C Engine Dehumidification
 - Health Usage Monitoring System (HUMS)
 - Friction Stir Welding
- 2009:
 - Cost Effective Solutions for the Safe & Environmentally Compliant Application of Proper Aircraft Coating Systems
- 2010:
 - Corrosion Control Multi-Media Training
- 2011:
 - Industrialization of Electro-Deposition Coating Application at the Aviation Logistics Center
- 2012:
 - Commandant's Instruction on Coast Guard Composite Shop Requirements
- 2013:
 - Viability assessment of the Aviation Logistics Center managing the distribution of paint supplies for all air stations
 - Preliminary Investigation of 6562 ECS Compressor Failure
 - Establish baseline of CIELAB color corrosion numbers for new Advanced Protection Coating topcoat on MH-65s



Beyond The Projects



- Certification Flights, STAN Flights, Ground Runs (ALC)
- Great networking opportunity with the Aeronautical Engineering Community by spending time with each of the product lines and ESD
- Introduction to contracting
- Flight opportunities with Air Sta. Elizabeth City and ATTC
- Learn from the enlisted workforce of the aviation field (AETs, AMTs, ASTs)
- Weekends/nights off provide opportunities to explore Outer Banks, Virginia Beach w/POV



...and this...