

Inspection Authorization Presentations

1. Presenter: Tim Gauntt
tgauntt@hartzellenginetech.com
Director of Product Support
Hartzell Engine Technologies
2900 Selma Highway
Montgomery, AL 36108
(334) 386-5441

Title: Fundamental Electrical Systems

Presentation

Time: 50 minutes

Overview:

- A comprehensive look at the alternator and starter systems used on today's GA fleet.
- Historical and modern alternators and starters
- Lightweight versus heavyweight starters
- Advantages and disadvantages of each
- Troubleshooting, maintenance and installation tips to help secure a long serviceable life for your electrical system components.

2. Presenter: Vern Rodgers
vrodgers@parker.com
Technical Support Training Manager
Parker Hannifin Corporation
Parker Aerospace
Montgomery, AL 36108
(440) 937-1213

Title: Care and Maintenance of Cleveland Wheels and Brakes

Presentation

Time: 50 minutes

Overview:

- On and off maintenance checks for our wheels and brakes
- Explain the workings of external floating brake caliper assembly and the individual components
- Explain the workings of wheel assembly and the individual components
- Talk about minimum lining and disc thickness
- Explain surface repairs for corrosion and recommended Mil-Spec repair for Aluminum and Magnesium Cleveland wheels and brakes
- Talk about recommended Mil-Spec primers and paints for Cleveland wheels and brakes
- Talk about recommended lubricants for wheel bearings
- Explain when and when not to use antiseize on the tie bolts along torque values
- Talk about the reasons why you should always condition organic and metallic linings

3. Presenter: Sarah MacLeod
Sarah.macleod@potomac-law.com
Executive Director, Aeronautical Repair Station Association
Helicopter Association International
117 North Henry Street
Alexandria, VA 22314
(703) 299-0784

Title: Recordkeeping for Mechanics

Presentation

Time: 50 minutes

Overview: Regulatory responsibilities of the operator versus the maintenance provider in creating and maintaining maintenance records. How obligations can be shifted by contract, but not under aviation safety regulations. Maintenance recordkeeping regulations; the documents essential to making airworthiness determinations.

- Find regulatory requirements and standards
- Differentiate between operator and maintenance provider aviation safety responsibilities
- Distinguish among and between aviation safety requirements and contractual obligations
- The general rules associated with recording civil aviation maintenance and inspection actions
- The extent and nature of the maintenance provider's responsibilities for making records
- How to limit mistakes when making maintenance and inspection records

4. Presenter: Sarah MacLeod
Sarah.macleod@potomac-law.com
Executive Director, Aeronautical Repair Station Association
Helicopter Association International
117 North Henry Street
Alexandria, VA 22314
(703) 299-0784

Title: Airworthiness Directive Compliance

Presentation

Time: 50 minutes

Overview:

- 14 CFR Part 39 – Airworthiness Directives (ADs)
- What is an AD is
- Its force and effect
- What work it may require
- How an AD interrelates with maintenance instructions
- The basic structure of an AD
- How to access and keep current on these rules

5. Presenter: Chris Holder
cholder@concordebattery.com
Eastern U.S. Sales Manager
Concorde Battery Corporation
2009 San Bernardino Rd
West Covina, CA 91790
(626) 813-1234

Title: Care and Maintenance of Lead Acid Batteries

Presentation

Time: 50 minutes

Overview:

- Types of Lead Acid Batteries used in aircraft today
- TSO – Instructions for Continued Airworthiness
- Special considerations for cleaning, charging and capacitance testing

6. Presenter: Robert Gordon
Bob.Gordon@pwc.ca
Sr. Field Support Representative, Field Operations
Pratt & Whitney Canada Worldwide Support Network
Carolinas Field Office
(704) 699-2186

Title: PT6A Technical Presentation

Presentation

Time: 50 minutes

Overview:

- Who we are, product lines
- PT6A design and construction
- Reliability stats
- Flight data acquisition, storage and transmission (FAST) unit for PT6A
- Rigging videos, availability
- Technical review and updates
- Managing operating costs
- Unscheduled maintenance

7. Presenter: Vince Bechtel
vince@tempestaero.com
Aftermarket Sales Director
Tempest Aero Group
(843) 991-1199

Title: Spark Plug Design and Maintenance

Presentation

Time: 50 minutes

Overview:

- Introduction to Spark Plug Design and Maintenance
- Spark Plug Design
- Spark Plug Maintenance
- Troubleshooting
- Installation and Removal Procedures
- Open Discussion

8. Presenter: Neal George
ngeorge@cmg.aero
Product Support Engineer
Continental Motors Group
2039 South Broad St
Mobile, Alabama 36615
(800) 326-0089

Title: Continental Engine Operations and Maintenance

Presentation

Time: 50 minutes

Overview:

- Engine TBO
- Explain the Fuel System and Maintenance of the fuel system
- Importance of Oil Changes
- Spark Plug Maintenance
- Prop strike inspections