

Summary

Job Summary

Performs functional testing, troubleshooting, and/or repair of aircraft mechanical systems. Prepares aircraft for flight test and airworthiness certification.

Essential Functions

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- Adheres to General Work Requirements; Completes required documentation including logs, discrepancies, and/or modification notices carried forward from previous areas of assembly
- Assists in performing maintenance of the aircraft to prepare it for successful mechanical functional tests, engineering specifications, inspections, or flight testing.
- Assists with performing preliminary inspection of aircraft prior to test flight in accordance with preflight checklists to ensure airworthiness; assists with complying with specific pilot requirements in preparation for aircraft flights
- Assists with launching aircraft for flight, including transport of the aircraft safely to designated locations, recovering aircraft from flight and troubleshooting and repairing post-flight discrepancies. This may include aircraft noise complaints, fuel distribution system, pressurization system, bleed air and anti-ice systems, abnormal flight control characteristics, engine, and pneumatic powered systems using aircraft log books
- Assists in preparing aircraft for airworthiness post-flight inspection; troubleshooting and repairing discrepancies identified from airworthiness inspection; jacking and moving aircraft and/or equipment to next station; performing troubleshooting and repairing aircraft discrepancies prior to and after functional tests have been conducted

Requirements

Education

| Minimum | Description |
|-----------------------------------|-----------------|
| High school diploma or equivalent | by date of hire |

Experience

| Minimum | Description |
|---------|-------------|
| None | |

Knowledge, Skills, and Abilities

- An aptitude for or previous experience with hands-on projects
- Ability to show determination and grit through previous experiences
- Ability to read, understand, and interpret engineering drawings
- Good Interpersonal skills and the ability to communicate with customers daily
- Ability obtain tug operator's license, and to obtain and renew certifications as needed
- Ability to recognize potential electrical hazards in order to prevent injury to self or others
- Ability to achieve sufficient technical qualifications to acquire product verification certification

Physical Requirements

Physical Weight Category

Medium Work: Exerting up to 50 pounds of force occasionally and/or up to 20 pounds of force frequently, and/or up to 10 pounds of force to constantly move objects.

Physical Requirements

| Physical Demand | Frequency |
|--|-----------|
| Ability to ascend and descend ladders and/or stairs. | |
| Ability to move, transport, and/or deliver items, supplies, or equipment. | |
| Ability to position self to place, construct, and/or maintain equipment and items in designated spaces. This includes but is not limited to the ability to work in confined and elevated spaces. | |
| Ability to remain in a stationary position. | |
| Ability to position self to move and/or transfer materials, mail, equipment and/or supplies. | |
| Ability to interpret effectively, accurately and impartially, both receptively and expressively. | |
| Ability to use tools, equipment, and technology necessary to do the job. This includes dexterity in instrument manipulation. | |
| Ability to move or traverse across campus, within buildings and offices, and/or across external environments. | |
| Ability to communicate with others and accurately exchange information. | |