



Job Title	Department	Rev number	Rev Date
Inspection Technician	Inspection	ORG	Mar. 31/23

Overall Responsibility:

To a) visually and dimensionally inspect each engine in its entirety, preparing parts for NDT (Non-destructive testing), paint, and eventually reassembly and b) to complete internal company documents required by the stores department and sales team.

Duties/Responsibilities:

- Review and familiarization of engine file upon receiving the engine from the cleaning department
- Visual inspection of each individual part
- Dimensional inspection of all required parts, including but not limited to crankcase, conn. rods, crankshaft, etc.
- Prepare parts for NDT and once complete, amend parts list with any findings
- Creation of a parts list required for mandatory replacement/rejected parts
- Completion of all required inspection paperwork, to prepare the engine to be requoted, inc. taking photos of damaged parts
- Perform the required Airworthiness Directives/Service Bulletin searches for each engine
- Identify and source used serviceable parts that can be used, rather than purchasing new or taking from current inventory
- Amend parts list if work description changes at any point during the engines time at Aerotec (i.e. repair to overhaul)
- Assist the cleaning & teardown departments with questions that arise pertaining to the inspection of parts
- Preliminary inspections of parts returning from third party repairs (i.e. crankcases & crankshafts that have been sent out)

Skills Required:

- Ability to use/identify alternate resources as required: airframe IPC's, sub-contractors, etc. for uncommon items
- Ability to use various specialty tools, inc. not limited to precision measuring devices
- Capable of remaining focused while performing repetitive tasks, ensuring consistency between inspections
- Ability to use digital parts catalogs & physical copies when required to identify correct part numbers
- High level of organization
- Ability to identify deficiencies in parts as well as surrounding departments

Reporting/Supervisory Requirements:

- Reports to operations manager, technical resource manager



- Required to supervise co-op/summer students should they be assigned to the inspection department

Working Conditions:

- Use of specialty tools, including but not limited to: micrometers, surface plate, scale, borescope, etc.
- Use of computer to update database, view IPC's, etc.
- Usual business hours (8am-5pm) unless stated/requested otherwise
- Required to work at Aerotec's sole location