
BLADE INSPECTION REPORT

INSPECTION SERVICES

- **End of Warranty Inspection:** Performed prior to warranty expiration to determine manufacturer's repairs.
- **Warranty Inspection:** Performed while blade is under manufacturer's warranty to determine cause and validate fault ownership.
- **Prevention Maintenance Inspection:** Used to locate and remedy problems before they become more serious, followed by estimate of repairs, as needed.
- **Root Cause Analysis Inspection:** Blades and circumstances around the event are analyzed to determine the cause of damage or failure.
- **Insurance Inspection:** When an insurance claim is filed, the insurance inspector provides an expert opinion on whether the blade is able to be repaired.
- **Shipping Damage Inspection:** Blade are inspected upon arrival at the port site or wind farm location.
- **Construction Damage Inspection:** Blades damaged at the site are inspected to determine the extent of damage and repair costs. If severe, the interior may need inspection as well.

INSPECTION TECHNIQUES

- **Visual:** Cracks, splits, erosion, de-lamination.
- **Lightning System Check:** Measuring the resistance in the system.
- **Thermography:** Locating voids and other problems that are not readily visible under the finished surface.
- **Infrared Imaging:** A camera or video camera is equipped with an infrared light source to illuminate the interior of the blade, to locate problem areas.
- **Probing:** A chisel or knife is used to remove layers and determine extent of damage.

DELIVERABLES

- **Blade Inspection Report**
- **Repair Estimates**

