AERIAL LIFT TESTING

Protecting the lives of lineman and ensuring their overall safety is a top priority for both utilities and tree removal companies. Sometimes the voltage withstand ability (dielectric breakdown) of aerial life devices could be the difference between life and death.

That's where we come in. Our equipment allows for electric tests that tell whether or not a truck's upper boom can safely contact high voltage lines.

This course provides step-by-step training on how to test the electrical strength of boom insulators (per ANSI Standard A92.2) as well as the voltage withstand ability of hydraulic hoses and the oil they contain.

Moreover, we will shed light on test results implying dielectric failures due to: contamination of the insulator surfaces; chemical (internal or external) deterioration of the insulator; aging or degradation of the fiberglass/rubber insulating material; moisture absorption; substitution of improper insulating material with inadequate dielectric constants or voltage withstand ability.

This training is usually held over the course of 1 day.

LEARN HOW TO:

- Properly apply high voltage across the "insulator" portion of the boom
- Measure the resulting current flow through the insulator in accordance to ANSI Standard A92.2
- Improve on skills required to record and interpret test results
- Learn how to properly position lift trucks (both articulating and telescoping) for acceptance and maintenance testing

RELEVANT PRODUCTS:

- Portable HVT series AC hipots (60HVT, 100HVT, 120HVT)
- Portable 800 Series DC hipots (880PL-10MA, 8120-5PL, 8170-5PL)
- 700 Series AC dielectric test sets