

Thimble Clevis

Distributor Awareness

ESA was informed that through a missed inspection, an Electrical Distributor installed a non-approved Thimble Clevis (Pig's Ear) which subsequently failed. Investigation of the event determined the following information:

- Failed equipment was found to be a non-approved Thimble Clevis (Pig's Ear)
- Installed Thimble Clevis broke at the "Points of Failure" indicated below
- Thimble Clevis was found to be half the thickness of the approved part
- Non-uniform radius of curvature could lead to high stress points
- Bolt was ungraded

Ontario Regulation 22/04, Section 6 (2) states:

For the purpose of establishing whether electrical equipment is approved under clause (1) (b), the equipment shall be tested and inspected in accordance with testing and inspection procedures that are adequate for that purpose.



ESA Recommends

Electrical Distributors should review their Thimble Clevises to ensure only approved equipment is in stock and remove non-approved equipment from the distribution system.