

IEEE/PES SWITCHGEAR COMMITTEE  
Switchgear ADSCOM Summary of Meeting April 12, 2022

Presenter

Task Force: Aging of Lubricants in Circuit Breaker Mechanisms

Jack Harley

There were 36 attendees.

Evolution of the Task Force was discussed by Doug Edwards.

Task Force discussions included

- Standard vs. Recommended Practice vs. Guide vs. White Paper. The group leaned toward Guide.
- Scope: many thoughts about tests to quantify statements of lubricant life and field tests for remaining life.
  - A field solution is to use data from newer relays to identify increasing trip time trends – this does not address manufacturers' marketing claims about aging.
  - Desire by some to include all the lubricants used in the breaker, not just in the mechanism. This may be addressed by the T&I group Aging of Switchgear.
- Functional life of the lubricant seemed accepted as being tied to operation within the timing specifications of the specific circuit breaker in which it is installed.
- Next steps will be two virtual meetings before the fall Switchgear meeting.