

# OXIDATION STABILITY

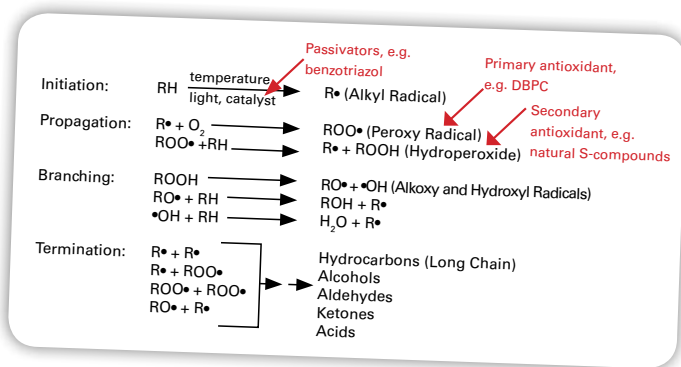
A key acceptance test for unused insulating oils and in-service lubricant oils

## WHAT?

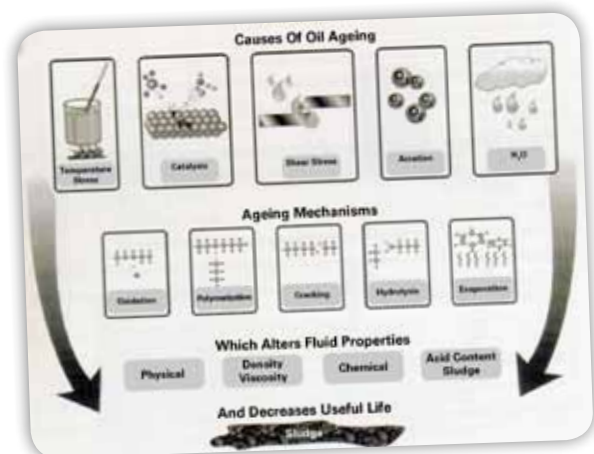
Oxidation stability is the most important analysis carried out on unused insulating oils and lubricant oils to assess long-term performance during service life.

## WHY?

Different degradation mechanisms at work in insulating and lubricant oil will decrease oil performance during service life and can cause equipment deterioration. If oxidation stability is insufficient, the oil should not be accepted.



Degradation mechanisms of insulating oil



Degradation mechanisms of lubricant oils

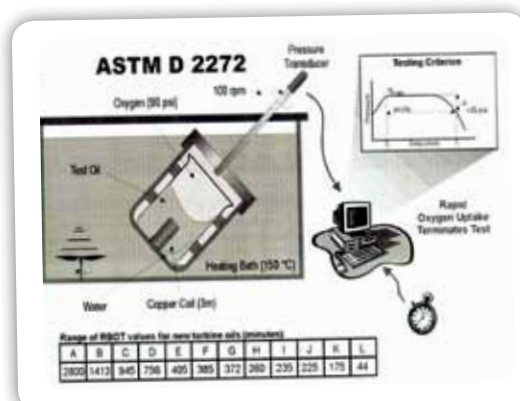
## HOW?

Several oil analyses are performed to screen the oxidation stability:

- > IEC 61125 method A, B, or C
- > ASTM D2440
- > ASTM D2112
- > ASTM D2272



Oxidation stability test setup according to the IEC 61125 method



Oxidation stability test setup according to the ASTM D2272 method