RPVOT (Rotating Pressure Vessel Oxidation Test)

Objective
To determine lubricant’s resistance to oxidation and sludge formation using accelerated test conditions that involve high temperature, high pressure, oxygen, the presence of water and active metal catalysts.

The oxidative stability is the estimation of remaining oxidative test life of in-service oil (or remaining useful life of the in-service oil).*

* Compare with RPVOT of new oil-base line

Test Result
Result of RPVOT is reported in minutes and are compared and trended against RPVOT of the new oil –base line.

RPVOT D-2272, previously known as RBOT (Rotating Bomb Oxidation Test)

Primary Application:
- Turbine oils
- Hydraulic oils
- Compressor oils
- Large Reservoir oils