Paris Session 2022



Construction of the Partial Discharge Measurement History According to IEC 60034-27-2

A1 PS2 Question 2.3

Paulo Vilhena - Brazil



Group Discussion Meeting

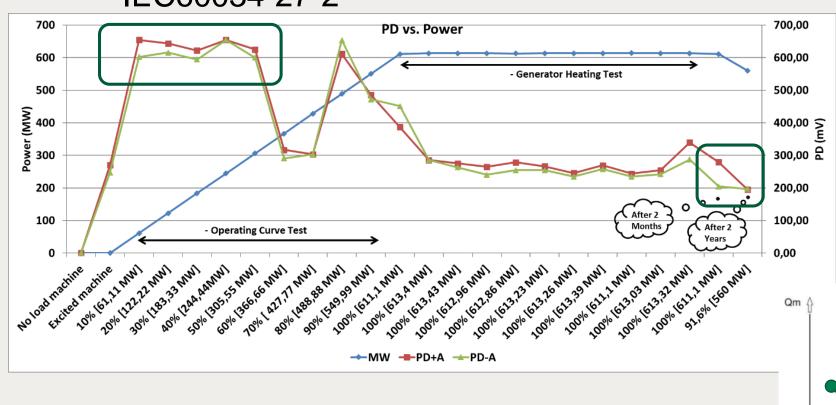
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Partial Discharge Behavior Over Time of a new Generator

-Partial Discharge phase A PD (mV) and Power (MW) vs Time.

-IEC60034-27-2



•Stator winding

•Stator core

•Calculated rotor temperature (°C)

PD Monitoring Life Cycle

tendency to level off

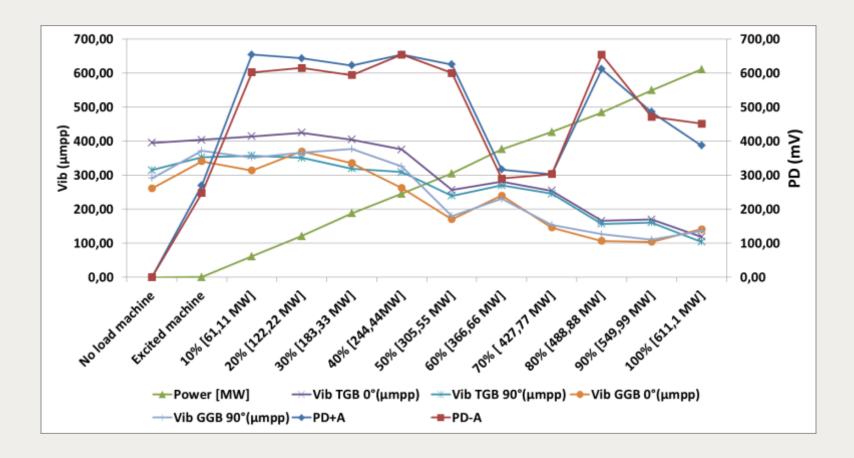
rapid deterioration

Curing process

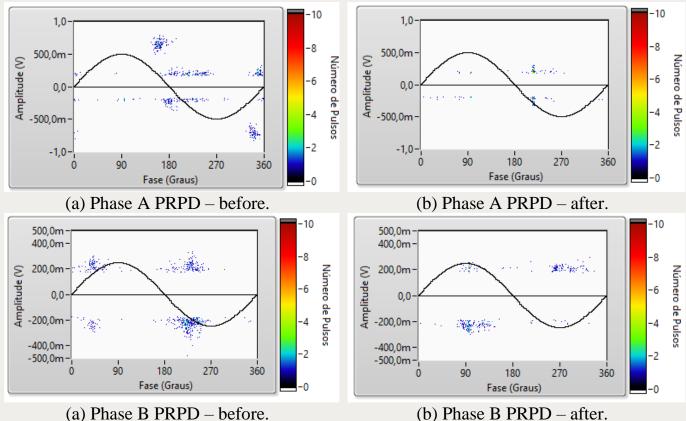
Years

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PD A (mV) vs Vib TGB and Vib GGB (µm)



PRPD two months (a) and after two years (b) of commercial operation in phases A and B.



(b) Phase B PRPD – after.

e-mail: paulo.vilhena@eln.gov.br

Whatsapp: +5596991643339

Thank you for your attention!

Group Discussion Meeting