

PHASE TO PHASE FAILURE AVERTED WITH PDTRAC

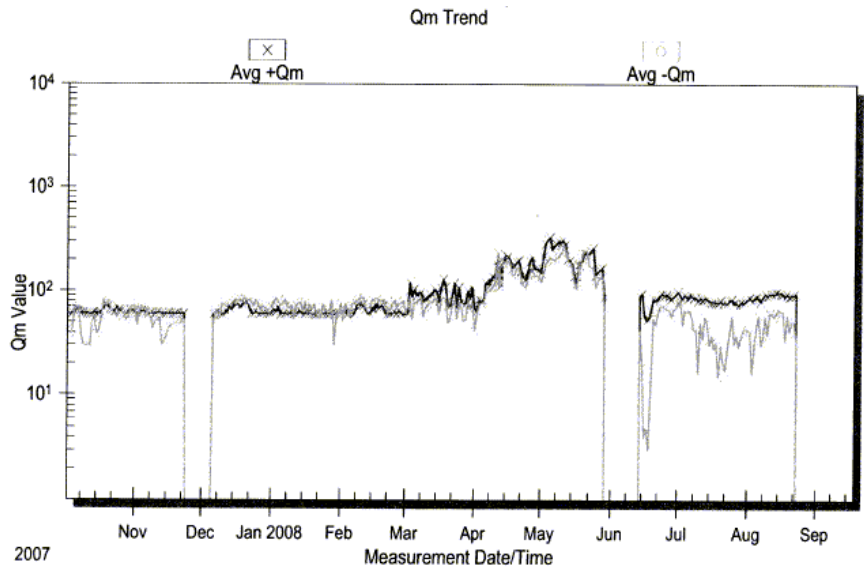


Figure 1. PD Activity Trend (logarithmic scale)

Company: A European Petrochemical Company

Ratings: 25 MW, 10 kV, Generator

Manufacturer: Confidential

Related Info: Installed in 1977

PD Sensors: One Bus Couplers per phase

PD Instrument: PDTrac monitor

Details:

“...an on-line PD monitoring system was installed on the... generator circa 2007. The trends in the on-line partial discharge level for each phase of the generator stator winding recorded by the on-line PD monitoring system are shown in [Figure 1]. An increase in the PD levels in 2008 can be seen. The cause of the increase in the PD readings was found, during an inspection in 2008, to have been discharge between two VT leads... Once that was corrected..., the PD levels returned to their 2007 level...”

Excerpt from a confidential report by an independent consultant