**Read me file:** Data for Characterization of Silicone Oil used in HV Cable Sealing Ends Dataset DOI: 10.5258/SOTON/D0924

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**The excel file contains experimental data for the paper below.**

Virtanen, STH, et al. (2019). Characterization of Silicone Oil used in HV Cable Sealing Ends. Paper presented at 26th Nordic Insulation Symposium, Tampere, Finland, 12/06/19 - 14/06/19.

**In particular:**

**Fig.1** Water content of the studied oils. Determined by Karl Fischer titrationusing the weight and calculated as average and standard deviation of 3 measurements.

**Fig.2** FTIR spectra of the studied oils: a) new oil b) expired oil c) ex-service oil.

**Fig. 3** Gas chromatograms of silicone oils: a) expired EC b) new NA c) new NB d) ex-service SE e) ex-service SF and f) expired ED.

**Date of data collection:** from January to April 2019.

**Information about geographic location of data collection:** University of Southampton, U.K.

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**Related projects:** Cable Sealing Ends

**Date that the file was created:** May 2019