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SOME EXPERIENCE IN PREVENTIVE INSPECTION AND MAINTENANCE OF ON-LOAD TAP CHANGER ON POWER AND FURNANCE TRANSFORMERS

ABSTRACT

Taking into consideration the significant number of regulation switches in operational service, the preventive inspection and proper technical maintenance of these devices require a special attention, because the defaults can have a serious consequence, such as a long term and very costly repair.

The main emphasis will be put on the design characteristics and preventive inspection methods of transformers and regulation switches, especially the load part of the latter.

The recommendations in this report are based upon many inspections and maintenance of power and furnace transformers in JUGOHRUM.

Keywords: on-load tap changer, preventive control, gas chromatography, maintenance.