

References

- [1]. *IEEE Guide for the Interpretation of Gases Generated in Oil-Immersed Transformers*, IEEE Standard C57.104, 2008
- [2]. Condition assessment test reports and records of Samanala Power Station, Ceylon Electricity Board, 2007- 2014
- [3]. Condition assessment test records of Assets Management Hydro Electrical Branch, Ceylon Electricity Board, 2007- 2014
- [4]. William H. Bartley P.E, "Analysis of Transformer Failures" presented at International Association of Engineering Insurers 36th Annual Conference – Stockholm, 2003
- [5]. *NETA Standards for Maintenance Testing Specifications for Electrical Power Distribution Equipment and Systems*, ANSI/NETA MTS-2011
- [6]. Manogaran Chetty, "Reliability analysis of power transformers, (Case: Escom Distribution Eastern Region)", M.Sc. thesis, Electrical Engineering. Dept.,Kwa-ZuluNatal. Univ., Durban., South Africa., 2007,
- [7]. Sanjay.G.Patki, S.G.Patil, Jaspal. S. Wadhwa, "Assessing Remnant Life of Transformer based on Furan Content in Transformer Oil and Degree of Polymerization of Solid insulation," in Fifteenth National Power Systems Conference., Bombay.,2008, pp. 508-511
- [8]. Manoj Kumar Pradhanand T. S. Ramu, "On the Estimation of Elapsed Life of Oil-Immersed Power Transformers," in IEEE Trans. Power Del., Vol. 20, No. 3, pp 1962-1969, July, 2005.
- [9].*IEC Mineral insulating oils in electrical equipment – Supervision and maintenance guidance*, IEC Standard 60422, 2005
- [10]. *IEC Fluids for electro technical applications - Unused mineral insulating oils for transformers and switchgear*, IEC Standard 60296, 2003.
- [11]. J. R. Sellahannadi, "Development of a Neuro-Fuzzy system for Condition Monitoring of Power Transformers," MSc. Thesis, Dept. Elect. Eng., Moratuwa Univ., Sri Lanka, 2010.
- [12]. Y.Du, M. Zahn, B.C. Lesieutre, and A.V. Mumishev, "Moisture Equilibrium in Transformer Paper-Oil Systems," in IEEE Electr. Insul.Mag.Vol. 15, No. 1,January/February 1999.

- [13]. Y.Du, B.C. Lesieutre, and A.V. Mumishev, M. Zahn, S.H. Kang, "Moisture Solubility For Differently Conditioned Transformer Oil," in IEEE Trans. Dielectr. Electr.Insul., Vol. 8, No. 5 , pp. 805-811, October, 2001
- [14]. Dipak Mehta and Prof. Hitesh Jariwala, "Predication of Life of Transformer insulation by developing Relationship between Degree of Polymerization and 2- Furfural," in International Journal of Scientific & Engineering Research., Volume 3, Issue 7, July, 2012.
- [15]. IEC Temperature Rise, Power Transformers., IEC 60076-2, 1993.
- [16]. SHELL DIALA OILS A& AX Electrical insulating oil Data Sheet, USA.
- [17]. Nynas Nytro Libra Product Data Sheet., Stockholm, Sweden, 2012.
- [18]. Electrical Transformer Testing Hand Book., Volume 7, The Electricity Forum Inc, Geneva, New York, 2010,
- [19]. Maik Koch, "Reliable Moisture Determination in Power Transformers," Ph.D. dissertation, Stuttgart Univ., Germany.
- [20]. N. S. Mtetwa, "Accuracy of Furan Analysis In Estimating The Degree of Polymerization In Power Transformers," M.Sc. Thesis, Eng Faculty, Witwatersrand Univ., Johannesburg, South Africa., 2008.
- [21]. DIRANA Application Guide, OMICRON electronics GmbH., June 2008.
- [22]. Victor Sokolov, Paul Griffin and Boris Vanin, "Moisture Equilibrium and Moisture Migration within Transformer insulation Systems," in CIGRE WG 12.18 Life Management of Transformers, 2008.
- [23]. IEEE Guide for Acceptance and Maintenance of Insulating Oil in Equipment, IEEE Standard C57.106, 1996.
- [24]. Ernst Gockenbach, Xiang Zhang, Zhaolin Liu, "Life Time Prediction of Power Transformers with Condition Monitoring" in CIGRE, A2-111, 2012.
- [25]. Mohommad R. Meshkatoddini, "Aging Study and Life Estimation of Transformer Mineral oil," in American J. of Engineering and Applied Science 1, pp 384-388, 2005.
- [26]. Fullers Earth Filtration, E575A Series Data sheet of ENERVAAC corporation., Ontario, Canada.
- [27]. IEC Mineral oil-impregnated electrical equipment in service- Guide to the interpretation of dissolved and free gases analysis, IEC Standard 60599, 1999-3