

STANDARD INFORMATION - UL 1562:2013 ED.4:+R:06MAR2019

Standard Number: UL 1562

Standard Name: Transformers, Distribution, Dry-Type – Over 600 Volts

Standard Edition and Issue Date: 4th Edition dated January 25, 2013

Date of Revision: March 6, 2019

Date of Previous Revision of Standard: February 10, 2016

EFFECTIVE DATE OF NEW/REVISED REQUIREMENTS

Effective Date: **September 7, 2020**

IMPACT, OVERVIEW, AND ACTION REQUIRED

Impact Statement: A review of all Listing Reports is necessary to determine which products comply with new/revise requirements and which products will require re-evaluation. **NOTE:** Effective immediately, this revised standard will be exclusively used for evaluation of new products unless the Applicant requests in writing that current requirements be used along with their understanding that their listings will be withdrawn on Effective Date noted above, unless the product is found to comply with new/revise requirements.

Overview of Changes: Revision for Thermal Aging Requirements. Specific details of new/revise requirements are found in table below.

If the applicable requirements noted in the table are not described in your report(s), these requirements will need to be confirmed as met and added to your report(s) such as markings, instructions, test results, etc. (as required).

Client Action:

Information – To assist our Engineer with review of your Listing Reports, please submit technical information in response to the new/revise paragraphs noted in the attached or explain why these new/revise requirements do not apply to your product (s).

Current Listings Not Active? – Please immediately identify any current Listing Reports or products that are no longer active and should be removed from our records. We will do this at no charge as long as Intertek is notified in writing prior to the review of your reports.



STANDARD INFORMATION

CLAUSE	VERDICT	COMMENT
<i>Additions to existing requirements are <u>underlined</u> and deletions are shown lined out below.</i>		
8	Info	Insulation Systems
8.1		<p>The insulation system used in the transformer shall be one that has been evaluated in accordance with the thermal aging procedure described in the IEEE Standard Test Procedure for Thermal Evaluation of Insulation Systems for Dry-Type Power and Distribution Transformers, Including Open Wound, Solid-Cast, and Resin-Encapsulated Transformers, ANSI/IEEE C57.12.60, <u>as modified in 8.1.1</u>, and has been found to be acceptable for the temperatures and voltages involved.</p> <p>Transformers with solid cast or resin encapsulated insulation systems shall be evaluated in accordance with the IEEE Standard Test Procedure for Thermal Evaluation of Insulation Systems for Dry-Type Power and Distribution Transformers, Including Open Wound, Solid-Cast, and Resin-Encapsulated Transformers, ANSI/IEEE C57.12.60.</p>
		<i>New clause added;</i>
8.1.1		<p>In reference to 8.1, Table 1 of ANSI/IEEE C57.12.60 shall be replaced with Table 8.1. Each insulation system shall be evaluated with a minimum of three different temperatures with a minimum separation of 10°C between adjacent aging temperatures. Additionally, the highest aging temperature shall result in a minimum log mean of 100 hours. The lowest aging temperature shall result in a minimum of 5000 hours and the correlation coefficient of the equation must equal greater than 0.95. If the 5000 hour minimum is not reached, then the only exception shall be when it is greater than 4700 hours and the correlation coefficient is greater than 0.97. Suggested times and temperatures are given in Table 8.1. The aging periods and temperatures should be chosen to reach the anticipated average test life in 5 to 10 cycles for each set of test objects.</p>
		<i>New table added;</i>
Table 8.1		Temperature and exposure time guide
		See Standard for details.
CUSTOMERS PLEASE NOTE: This Table and column “Verdict” can be used in determining how your current or future production is or will be in compliance with new/revised requirements.		