

(PREVIEW)

*Indian Standard*

**METHODS OF TESTS FOR OXIDATIVE  
AGEING OF ELECTRICAL INSULATING  
PETROLEUM OILS BY OPEN BEAKER METHOD**

**1. SCOPE**

**1.1** This test method covers procedure for subjecting electrical insulating oils to oxidative ageing by:

Method A - with metal catalyst

Method B - without metal catalyst.

**1.2** This method is applicable to electrical insulating oils of petroleum origin as long as less than 10 percent of the oil evaporates during the ageing procedures. At present it applies and is generally useful primarily in the evaluation and quality control of unused oils, either inhibited or uninhibited.

**APPENDIX B**

**( Clauses 3.1.1 and 3.1.3 )**

**SPECIFICATION FOR LABORATORY OVEN WITH  
ROTATING SHELVES FOR OXIDATIVE AGEING  
TESTS ON INSULATING OILS**

**1. Scope** - This specification covers requirements of electrically heated forced oven for laboratory evaluation of insulating oils. This specification is generally based on ASTM-E-145, IIA IS : 6365-1971 Specification for laboratory electric ovens and BS 2648 : 1955 Performance requirements for electrically heated laboratory drying ovens.