



ACCREDITATION CERTIFICATE

147-LB-TEST

Emirates International Accreditation Centre

has accredited

DUBAI ELECTRICITY & WATER AUTHORITY

Transmission Power - Transformer Oil Test Laboratory

DEWA Transmission Complex, Al Warsan

Dubai- United Arab Emirates

In accordance with the requirements of

ISO/IEC 17025:2005

General requirements for the competence of testing and calibration laboratories
to undertake the tests in the attached accreditation scope

This Accreditation is invalid without the attached accreditation scope and shall remain in force
within the validity period printed below, subject to continuing compliance with the requirements of
the accreditation criteria.

Validity: 08/09/2019 to 07/09/2022

Initial Accreditation Date: 08/09/2016




/ CHIEF EXECUTIVE OFFICER
APPROVAL



Accreditation Scope

Petroleum Testing

147-LB-TEST

Dubai Electricity & Water Authority

Transmission Power - Transformer Oil Test Laboratory

DEWA Transmission Complex, Al Warsan

Dubai- United Arab Emirates

Issue no.: 02 Rev. 0

Date: 08-09-2019

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Type of Activity	Test Materials/Products	Test Name	Test Method
Petroleum & Petrochemical	Transformer Oil	Determination of the breakdown voltage	IEC 60156
		Determination of water by automatic coulometric Karl Fischer titration	IEC 60814
		Measurement of relative permittivity, dielectric dissipation factor (tan d) and d.c. resistivity	IEC 60247
		Analysis of Dissolved Gases in Electrical insulating Oil by Gas Chromatography (DGA)	IEC 60567
		Determination of colour (ASTM scale)	ISO 2049
		Determination of Appearance	IEC 60296 Clause 6.6
		Determination of flash point by Pensky-Martens closed	ISO 2719
		Determination of kinematic viscosity and calculation of dynamic viscosity @ 40 deg. C	ISO 3104
		Determination of Interfacial Tension of Oil Against Water by the Ring Method	ASTM D971
		Determination of acidity	IEC 62021-1
		Determination of 2-furfural and related compounds	IEC 61198
Detection and determination of specified additives in mineral insulating oils	IEC 60666		

Accreditation History			
Issue no.	Rev. no.	Details	Date
2	0	First issuance under the name of EIAAC (which formally was known as DAC)	08/09/2019