

Test Report No. 7191228093-EEC19/01-SYG
dated 26 DEC 2019



PSB Singapore

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Subject

ON SITE WITNESS TESTING OF 500kVA 415/450Va.c. Dyn11 THREE PHASE DRY-TYPE POWER TRANSFORMER WITH ENCLOSURE

Client

AET Electric Pte Ltd
18 Kaki Bukit Road 3
#01-05
Entrepreneur Business Centre
Singapore 415978

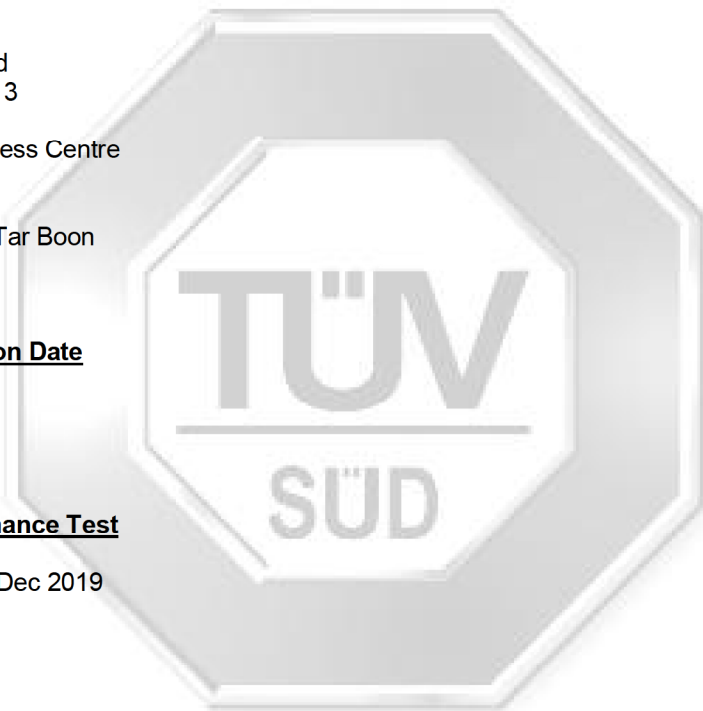
Attn : Mr. Leong Tar Boon

Sample Submission Date

18 Dec 2019

Date(s) of Performance Test

18 Dec 2019 to 23 Dec 2019



Laboratory:
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TUV®



Description of Sample

500kVA 415/450Va.c. Dyn11 Three Phase Dry-Type Power Transformer with Enclosure

Brand : AET
Model No. : AET-SU-3P
Capacity : 500kVA
Primary Voltage : 415V
Primary Current : 696A
Primary Tapping : $\pm 2.5\%$, $\pm 5.0\%$
Secondary Voltage : 450V (260-N)
Secondary Current : 642A
Frequency : 50/60Hz
Phase : 3
Insulation Class : R
Vector Group : Dyn11
IP Rating : IP21 / 2mm
Weight : 1600KG
Serial No. : 19157
Manufacturer : AET Electrical Pte Ltd
Country of Origin : Singapore

Method of Test

The assessment detailed in this document was carried out in accordance with the following selected clauses of IEC 60076-11 : 2018 (2nd Edition) as requested by the client.

- Clause 14.2 Routine tests
 - Clause 14.2.1 Measurement of winding resistance
 - Clause 14.2.2 Measurement of voltage ratio and check of phase displacement
 - Clause 14.2.3 Measurement of short-circuit impedance and load loss
 - Clause 14.2.4 Measurement of no-load loss and current
 - Clause 14.2.5 Applied voltage test (AV)
 - Clause 14.2.6 Induced voltage withstand test (IVW)
 - Clause 14.2.7 Partial discharge measurement (see remark 1)

- Clause 14.3 Type tests
 - Clause 14.3.1 Full wave lightning impulse test (LI) (see remark 2)
 - Clause 14.3.2 Temperature-rise test

Testing Location

AET Electric Pte Ltd
18 Kaki Bukit Road 3
#01-05
Entrepreneur Business Centre
Singapore 415978

Tested by : Mr Leong Tar Boon (AET Electric Pte Ltd)
Witness by : Mr Tan Hiok Pheng (TÜV SÜD PSB Pte Ltd)
Mr Sim Yew Gee (TÜV SÜD PSB Pte Ltd)