




ELECTRICAL RESEARCH AND DEVELOPMENT ASSOCIATION

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TEST REPORT

SHEET 01 OF 02

NAME & ADDRESS OF CUSTOMER: M/s. Diamond Power Transformers Limited, Plot No.-101/B/7, Road No.2, G.I.D.C. Estate, Road No. 2, Village Ranoli-391350, Dist.: Vadodara	REPORT NO: MNDTTR/023/09-10	
	DATE: 25/05/2009	
	CUSTOMER REF. NO. & DATE: DTPL/RNL/ERDA/01, dated: 20/04/2009	
	DATE OF SAMPLE RECEIPT	DATE OF TESTING
	07/05/2009	07/05/2009
SAMPLE DESCRIPTION: Oil Filled Power Transformer [1 No] Details as mentioned in the customer's letter Rating: 10 MVA, Voltage: 33/6.9 kV, ONAN Sr. No.: DPTL-6621	SAMPLE IDENTIFICATION: Serial No: DPTL-6621	
TEST DETAILS: Audible Sound Level Measurement	TEST SPECIFICATION: 1] For requirement: NEMA Pub.No.TR-1, 1980 2] For procedure: IEC 551-1987 3] As per Customer's Requirement	
REMARKS: 1] Corrected average audible sound level of the sample was 57.8 dB(A). 2] The sample conforms to the requirement of the above-mentioned test. 3] The testing was carried out at the premises of M/s Diamond Power Transformers Ltd. 4] The test was witnessed by M/r R.N.Mistry of I.O.C.L & Vishal Panchal of Diamond Power Transformers Limited,		
 PREPARED BY	 CHECKED BY	 APPROVED BY
NOTE: 1] This report relates only to the particular sample(s) received for testing in good condition at site. 2] This report cannot be reproduced in part under any circumstances. 3] Publication of this report requires prior permission in writing from Director, ERDA. 4] Only the tests asked for by the customer have been carried out.		



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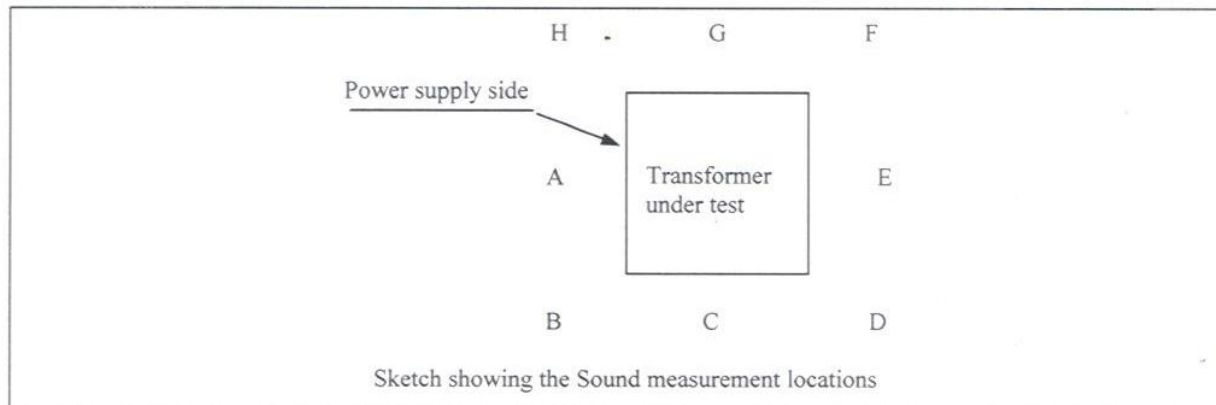
SHEET 02 OF 02

Transformer under test	: Oil Filled Power Transformer Rating: 10 MVA, Voltage: 33/6.9 kV, ONAN, Sr. No.: DPTL-6621
Particulars of Test	: Audible Sound Level Measurement
Test Details	: Distance of measurement from test equipment: 0.3 m, Measurement was made at half the height of the transformer
Requirement	: Permissible Average Audible Sound Level: 68 dB(A) [Maximum] as per table 0-1 of NEMA Pub. No. TR-1- 1980

Test Result:

Sr. No.	Measurement Locations (Refer Sketch Below)	Ambient audible sound level before measurement of audible sound level of Transformer	Audible Sound level from ambient and "Transformer at rated voltage & no load condition" at 1/3 height of transformer	Audible Sound level from ambient and "Transformer at rated voltage & no load condition" at 2/3 height of transformer	Ambient audible sound level after measurement of audible sound level of Transformer
		dB(A)	dB(A)	dB(A)	dB(A)
1	A	52.3	58.4	57.8	52.3
2	B	52.5	58.7	57.6	52.5
3	C	52.9	59.0	57.4	52.8
4	D	53.0	58.3	57.6	52.9
5	E	52.8	59.2	57.9	53.3
6	F	53.5	58.8	57.4	52.4
7	G	53.6	58.6	57.8	52.8
8	H	53.6	59.1	57.9	53.1

- 1) Average audible sound level of ambient: 52.9 dB(A)
- 2) Average audible sound level of combined transformer & ambient: 58.8dB(A)
- 3) Corrected average audible sound level of transformer: **57.8dB(A)**



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PREPARED BY *P. S. D.*

CHECKED BY *P. S. D.*

