

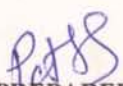


ELECTRICAL RESEARCH AND DEVELOPMENT ASSOCIATION

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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 Dist.: Vadodara	REPORT NO: MNDTTR0072609 DATE: 22/08/2009	
	CUSTOMER REF. NO. & DATE: DPTL/RNL/ERDA/248, Dated: 04/08/2009	
	DATE OF SAMPLE RECEIPT	DATE OF TESTING
	04/08/2009	20/08/2009
SAMPLE DESCRIPTION: Transformer [1 No] Details as mentioned by the customer, CRGO Core Copper Wound Transformer Rating: 500 kVA, Voltage: 11/0.433 kV Serial No.: E 173 DPTL 21	SAMPLE IDENTIFICATION: Serial No: E 173 DPTL 21 ERDA Sample Code No: MNDTWO0074508	
	TEST SPECIFICATION: 1] For requirement: NEMA Pub.No.TR-1:1980 2] For procedure: IEC 551:1987 3] As per Customer's Requirement	
TEST DETAILS: Audible Sound Level Measurement		
REMARKS: 1] Corrected average audible sound level of the sample was 45.8 dB(A). 2] The sample conforms to the requirement of the above-mentioned test.		
 PREPARED BY	 CHECKED BY	 APPROVED BY
NOTE: 1] This report relates only to the particular sample(s) received for testing in good condition at ERDA. 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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DATE: 22/08/2009

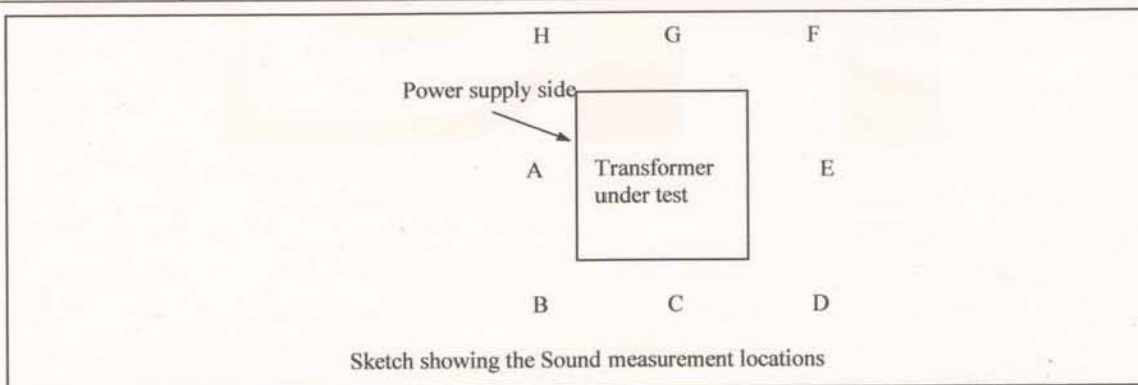
SHEET 02 OF 02

Transformer under Test	: Transformer Rating: 500 kVA, Voltage: 11/0.433 kV Serial No.: E 173 DPTL 21
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: 56 dB(A) [Maximum] as per table 0-2 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"	Ambient audible sound level after measurement of audible sound level of Transformer
		dB(A)	dB(A)	dB(A)
1	A	43.6	47.9	43.6
2	B	43.7	47.8	43.7
3	C	43.7	47.8	43.7
4	D	43.6	47.8	43.7
5	E	43.6	47.9	43.6
6	F	43.6	47.8	43.6
7	G	43.7	47.9	43.6
8	H	43.6	47.8	43.6

- 1) Average audible sound level of ambient: 43.6 dB(A)
- 2) Average audible sound level of combined transformer & ambient: 47.8 dB(A)
- 3) Corrected average audible sound level of transformer = **45.8 dB(A)**.



PREPARED BY

CHECKED BY



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