

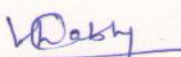
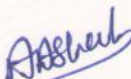

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TEST REPORT

SHEET 01 OF 03

NAME & ADDRESS OF CUSTOMER: M/s. Diamond Power Transformer Ltd. Plot No.:101/B/7, Road No.2 G.I.D.C Estate Road No.2 Village Ranoli-391 350 Vadodara	REPORT NO: MNDTTR0082643									
	DATE: 29/07/2010									
	CUSTOMER REF. NO. & DATE: DPTL/RNL/ERDA/279, dated 20/07/2010									
	DATE OF SAMPLE RECEIPT	DATE OF TESTING								
	21/07/2010	22/07/2010								
SAMPLE DESCRIPTION: CRGO Core Aluminium Wound Proto type Star Rated Distribution Transformer [2 Nos.] Details as mentioned by the customer: Sample-1 Rating: 160 kVA Voltage: 11/0.433 kV, Star Rating : 3 Sr. No.: 7760 Sample-2 Rating: 200 kVA Voltage: 11/0.433 kV, Star Rating : 3 Sr. No.: 7770	SAMPLE IDENTIFICATION:									
	<table border="1"><thead><tr><th>Sample No.</th><th>Serial No.</th><th>ERDA Sample Code No.</th></tr></thead><tbody><tr><td>1</td><td>7760</td><td>MNDTWO0084264/1</td></tr><tr><td>2</td><td>7770</td><td>MNDTWO0084264/2</td></tr></tbody></table>	Sample No.	Serial No.	ERDA Sample Code No.	1	7760	MNDTWO0084264/1	2	7770	MNDTWO0084264/2
Sample No.	Serial No.	ERDA Sample Code No.								
1	7760	MNDTWO0084264/1								
2	7770	MNDTWO0084264/2								
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] All the samples conform to the requirement of the above-mentioned test. 2] Corrected average audible sound level of the sample-1 was 46.4 dB (A) . 3] Corrected average audible sound level of the sample-2 was 47.2 dB (A) .										
 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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REPORT NO: MNDTTR0082643
DATE: 29/07/2010

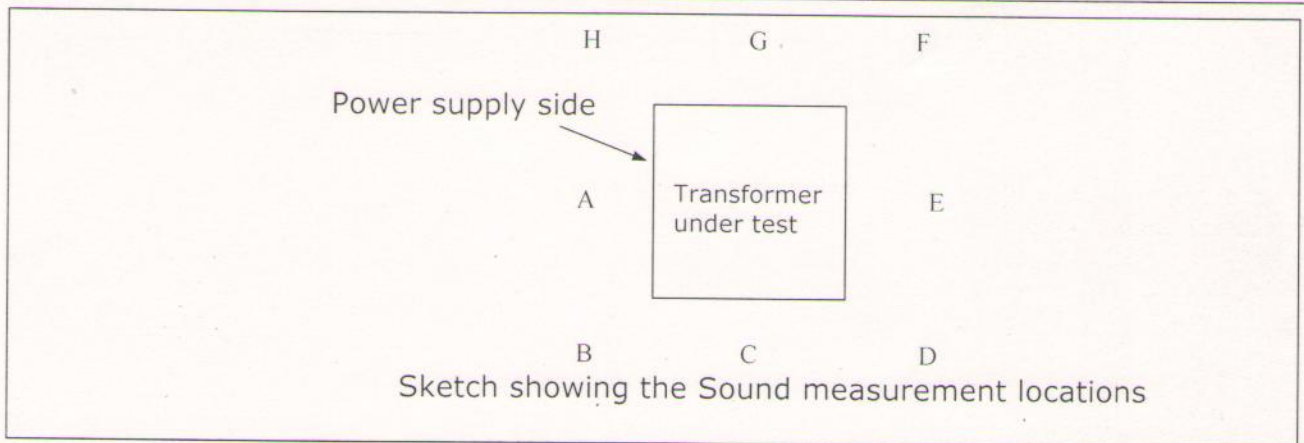
SHEET 02 OF 03

Transformer under Test	Sample-1 CRGO Core Aluminium Wound Proto type Star Rated Distribution Transformer Rating: 160 kVA, Voltage: 11/0.433 kV, Sr. No.: 7760
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: 55 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	44.7	48.4	44.7
2	B	44.7	48.4	44.7
3	C	44.8	48.5	44.8
4	D	44.8	48.4	44.7
5	E	44.7	48.4	44.7
6	F	44.8	48.5	44.8
7	G	44.7	48.4	44.7
8	H	44.8	48.5	44.7

- 1) Average audible sound level of ambient: 44.7 dB(A)
- 2) Average audible sound level of combined transformer & ambient: 48.4 dB(A)
- 3) Corrected average audible sound level of transformer: **46.4 dB(A)**



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REPORT NO: MNDTTR0082643

SHEET 03 OF 03

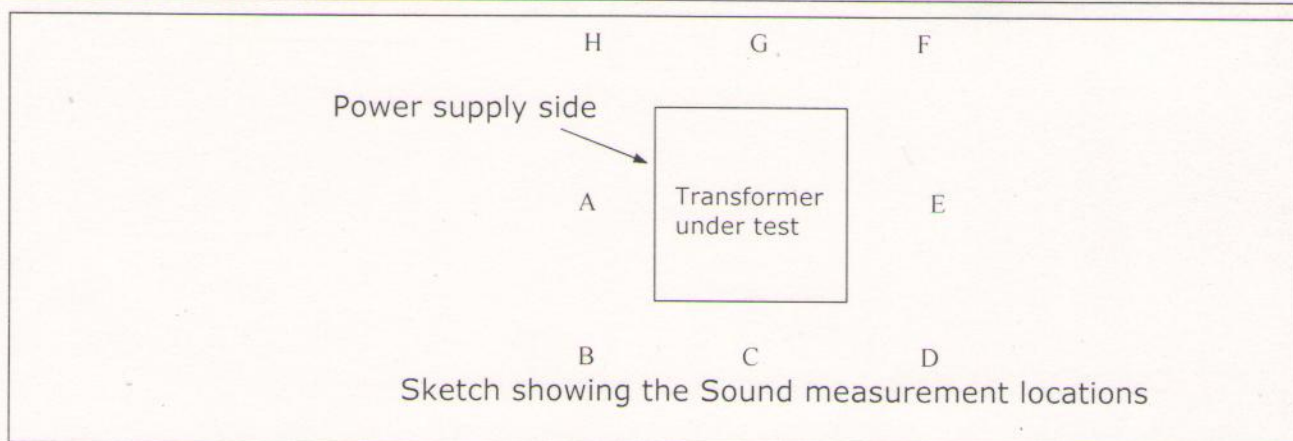
DATE: 29/07/2010

Transformer under Test	Sample-2 CRGO Core Aluminium Wound Proto type Star Rated Distribution Transformer Rating: 200 kVA, Voltage: 11/0.433 kV, Sr. No.: 7770
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: 55 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	45.3	49.2	45.4
2	B	45.4	49.2	45.4
3	C	45.4	49.3	45.3
4	D	45.3	49.2	45.4
5	E	45.3	49.3	45.3
6	F	45.3	49.2	45.4
7	G	45.4	49.3	45.3
8	H	45.3	49.2	45.3

- 1) Average audible sound level of ambient: 45.3 dB(A)
- 2) Average audible sound level of combined transformer & ambient: 49.2 dB(A)
- 3) Corrected average audible sound level of transformer: **47.2 dB(A)**



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