TWO WINDING DRY-TYPE TRANSFORMER FORM

3770

CUSTOMER	M.E.S	DATE	12/9/25		
ADDRESS	Montrose Colorado	TEMP	70 °F	JOB NUMBER	702742
		RH%	30%	TECHNICIAN(S)	Bradley Holden
SUBSTATION	Yard	POSITION		EQUIP. ID	3770
INS-RES ASSET-CAL	08/28/2025	WINDING-RES ASSET-CAL	N/A	TTR ASSET-CAL	09/30/2025

NAMEPLATE DATA

MANUFACTURER	Line Power	CONFIGURATION	Delta -- Wye	INS MATERIAL	Paper
SERIAL No.	U1591	PRIMARY VOLTAGE	4160 /	PHASE No. / CYCLE	3 / 60 Hz
CLASS	Other	SEC VOLTAGE	/ 480	TEMP RISE in °C	Unknown
TANK TYPE	Ventilated	kVA	750	CATALOG No.	Unknown
WNDG INS. SYSTEM	Open-Wound	BIL kV	Illegible	TYPE	Unknown

DETC TAP-POSITION							
LINE to LINE VOLTS							
AMPERAGE							

AS-FOUND	AS-LEFT	
WINDING CONNECTIONS		
PRI WND	H3-H1	H1-H2	H2-H3
SEC WND	X0-X1	XO-X2	X0-X3

VISUAL & MECHANICAL INSPECTION

DESCRIPTION	INSPECTED	CONDITION	DESCRIPTION	INSPECTED	CONDITION
NAMEPLATE DATA	X	A	OVERALL CLEANLINESS	X	A
MECH. / PHYSICAL CONDITION	X	A	CONTROL & ALARM TEMPS***	N/A	N/A
ANCH. / ALIGNMENT & GROUNDING	X	A	FAN OPERATION & PROTECTION	N/A	N/A
REMOVAL of MOUNTS & BRACING	N/A	N/A	VERIFY AS-LEFT TAP CONNECTIONS	N/A	N/A

ELECTRICAL TESTS

	CONNECTIONS	TEST Vdc	1 MIN (MΩ)		10 MIN (MΩ)		PI	MINIMUM (MΩ)	RATING
			R_M	R_C	R_M	R_C			
INSULATION RESISTANCE	PRI → SEC	5000	605	605				100	A
	PRI → GND	5000	653	653	*		*	100	A
TEMP CORRECTED @ 20°C	SEC → GND	1000	11.4	11	*		*	10	A
	CORE → GND***								N/A

	TAP	PRI VOLTS	SEC VOLTS	CALC.	RATIO 1	RATIO 2	RATIO 3	RANGE ±	0.5 %	RATING
TURNS-RATIO			480							
			480							
			480							
		4160	480	15.011	14.989	14.994	14.991	14.936	15.086	A
			480							
			480							
			480							

	TAP	PRIMARY WINDING (mΩ)						RATING
		H3-H1		H1-H2		H2-H3		
		R_M	R_C	R_M	R_C	R_M	R_C	
WINDING RESISTANCE***								
TEMP CORRECTED @ #VALUE!								
	TAP	SECONDARY WINDING (μΩ)						RATING
		X0-X1		XO-X2		X0-X3		
		R_M	R_C	R_M	R_C	R_M	R_C	

COMMENTS	The transformer has been tested and inspected, The insulation resistance is a lower than normal most likely due to the dirt build up on the transformer. All other tests are within manufacturer specifications.
DEFICIENCIES	

LEGEND: A - ACCEPTABLE U - UNACCEPTABLE I - INVESTIGATE N/A - NOT APPLICABLE

*** NETA OPTIONAL TESTS ***