

MAXIMA		Transformer Test Report			
No Dokumen	:	FM -03-006-PP	Tanggal	:	28 Februari 2018
Revisi	:	1	Hal	:	1

Transformer	3	Phase	Freq	50	Hz	Transformer No	:	180450038-P
Vector group	Yzn5	Rated power	100	kVA	Customer	:		
Standard								


	Tap	Voltage (volt)	Current (ampere)	Resume		
Primer					Guaranteed	Measured
	3	20000	2,89	No-load losses (watt)	210	200,32
				Load losses (watt)	1420	1348,30
Secondary		400	144,34	Impedance (%)	4	3,92
				No load current (%)	-	0,30

No load losses measurement			
Voltage	Current	Losses	Io
Volt	Ampere	Watt	%
400	0,43	200,32	0,297

Load losses & Impedance measurement				
Voltage	Current	Losses		
Vsc	IN	WTo	P(750C)	Iz(750C)
Volt	Ampere	Watt		%
773,6	2,89	1170	1348,30	3,92

		Resistance winding								
Tap	Nominal	Measurement			Primary side (Ω)			Secondary side (Ω)		
		U	V	W	1U-1V	1V-1W	1U-1W	2u-2v	2v-2w	2u-2w
1	90,93	90,83	90,91	90,80						
2	88,77	88,73	88,72	88,69						
3	86,60	86,49	86,54	86,42	44,59	44,57	44,58	0,017449	0,017583	0,017577
4	84,44	84,33	84,40	84,29						
5	82,27	82,32	82,25	82,14						
6	80,11	80,00	80,07	79,98						
7	77,94	77,83	77,92	77,83						

Insulation test								
Induced Over voltage			Applied Voltage			Megger Test		
Supplied on			Between					
At	800,00	Volt	HV-LV+Earth :	50	KV	Test Voltage	2500	VDC
At	150	Hz	LV-HV+Earth :	3	KV	HV-G	12500	M Ohm
Duration	40	sec	Duration	60	Sec	LV-G	3700	M Ohm
Result	Withstand		Result	Withstand		HV-LV	13000	M Ohm
Vector group check :			Yzn5	Dielectric strength of oil :		60	kV	/2.5 mm
Result :			OK	Minimum std :		50	kV	/2.5 mm
				Standard :		IEC 60156 : 1995		
Oil leak test								
Oil Pressure :		0,5	Bar					
Duration :		24	Hour					
Result :		No leak						

		Witnessed by:	Mojokerto, 12/03/2019 PT. MAXIMA DAYA INDONESIA
1.			 (Juli Rokhmad)
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