

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	:	190100042-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	228,24
				Load losses (watt)	1420	1456,37
Secondary		400	144,34	Impedance (%)	4	4,09
				No load current (%)	-	0,32

No load losses measurement			
Voltage	Current	Losses	Io
Volt	Ampere	Watt	%
400	0,46	228,24	0,320

Load losses & Impedance measurement				
Voltage	Current	Losses		
Vsc	IN	WTo	P(750C)	Iz(750C)
Volt	Ampere	Watt		%
807,1	2,89	1268,7	1456,37	4,09

		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	91,04	91,02	91,02						
2	88,77	88,88	88,87	88,85						
3	86,60	86,68	86,69	86,66	47,71	47,48	47,77	0,019163	0,019338	0,019308
4	84,44	84,56	84,54	84,51						
5	82,27	82,39	82,38	82,36						
6	80,11	80,22	80,21	80,19						
7	77,94	78,03	78,01	77,99						

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	2900	M Ohm
Duration	40	sec	Duration	60	Sec	LV-G	4000	M Ohm
Result	Withstand		Result	Withstand		HV-LV	6200	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, 06/05/2019	
		1.		PT. MAXIMA DAYA INDONESIA	
		2.			
		3.		(Juli Rokhmad)	