

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	:	190430001-P
Vector group	Dyn5	Rated power	1000	kVA	Customer	:		
Standard								


	Tap	Voltage (volt)	Current (ampere)	Resume		
Primer					Guaranteed	Measured
	3	20000	28,87	No-load losses (watt)	1500	1276,94
				Load losses (watt)	14000	12845,73
Secondary		400	1443,38	Impedance (%)	5	5,13
				No load current (%)	2,4	0,27

No load losses measurement			
Voltage	Current	Losses	Io
Volt	Ampere	Watt	%
400	3,91	1276,94	0,271

Load losses & Impedance measurement				
Voltage	Current	Losses		
Vsc	IN	WTo	P(750C)	Iz(75°C)
Volt	Ampere	Watt		%
1019,1	28,89	11390	12845,73	5,13

Ratio					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	90,98	90,98	90,98						
2	88,77	88,83	88,83	88,79						
3	86,60	86,64	86,61	86,69	4,16	4,15	4,15	0,001627	0,001628	0,001611
4	84,44	84,40	84,39	84,43						
5	82,27	82,27	82,27	82,27						

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	14000	M Ohm
Duration	40	sec	Duration	60	Sec	LV-G	13000	M Ohm
Result	Withstand		Result	Withstand		HV-LV	18000	M Ohm
Vector group check :			Dyn5	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, 19/10/2019	
1.			PT. MAXIMA DAYA INDONESIA	
2.				
3.			(Juli Rokhmad)	