

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	:	180370001-s
Vector group	Dyn5	Rated power	2000		kVA	Customer	:	
Standard								


	Tap	Voltage (volt)	Current (ampere)	Resume		
Primer					Guaranteed	Measured
	3	20000	57,74	No-load losses (watt)	2500	1753,05
				Load losses (watt)	28000	23598,66
Secondary		400	2886,75	Impedance (%)	7	7,09
				No load current (%)	2	0,14

No load losses measurement			
Voltage	Current	Losses	Io
Volt	Ampere	Watt	%
400	4,00	1753,05	0,138

Load losses & Impedance measurement				
Voltage	Current	Losses		
Vsc	IN	WTo	P(750C)	Iz(750C)
Volt	Ampere	Watt		%
1414,9	57,78	21030	23598,66	7,09

Resistance winding									
Tap	Nominal	Measurement			Primary side (Ω)			Secondary side (Ω)	
		U	V	W	1U-1V	1V-1W	1U-1W	2u-2v	2v-2w
1	90,93	90,92	90,94	90,92					
2	88,77	88,77	88,79	88,77					
3	86,60	86,62	86,63	86,62	1,99	1,99	1,96	0,000688	0,000616
4	84,44	84,47	84,48	84,46					
5	82,27	82,32	82,33	82,20					

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	4100	M Ohm
Duration	40	sec	Duration	60	Sec	LV-G	1300	M Ohm
Result	Withstand		Result	Withstand		HV-LV	5000	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, 06/02/2019	
		1.		PT. MAXIMA DAYA INDONESIA	
		2.			
		3.		(Juli Rokhmad)	