

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	:	190440001-P
Vector group	Dyn5	Rated power	100	kVA	Customer	:		
Standard								


	Tap	Voltage (volt)	Current (ampere)	Resume		
Primer					Guaranteed	Measured
	3	800	72,17	No-load losses (watt)	300	167,48
				Load losses (watt)	1600	2107,81
Secondary		400	144,34	Impedance (%)	4	4,33
				No load current (%)	-	0,24

No load losses measurement			
Voltage	Current	Losses	Io
Volt	Ampere	Watt	%
400	0,35	167,48	0,239

Load losses & Impedance measurement				
Voltage	Current	Losses		
Vsc	IN	WTo	P(750C)	Iz(75°C)
Volt	Ampere	Watt		%
33,7	71,99	1872	2107,81	4,33

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	3,81	3,81	3,81	3,81						
2	3,64	3,63	3,63	3,63						
3	3,46	3,47	3,47	3,47	0,14	0,14	0,14	0,018497	0,018475	0,018425
4	3,29	3,29	3,29	3,29						
5	3,12	3,12	3,12	3,12						

Insulation test								
Induced Over voltage			Applied Voltage			Megger Test		
Supplied on			Between					
At	800,00	Volt	HV-LV+Earth :	3	KV	Test Voltage	2500	VDC
At	150	Hz	LV-HV+Earth :	3	KV	HV-G	9000	M Ohm
Duration	40	sec	Duration	60	Sec	LV-G	9000	M Ohm
Result	Withstand		Result	Withstand		HV-LV	11000	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, 21/10/2019		
1.			PT. MAXIMA DAYA INDONESIA		
2.					
3.			(Juli Rokhmad)		