

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	:	190090001-S
Vector group	Yzn5	Rated power	100		kVA	Customer	:	
Standard								


	Tap	Voltage (volt)	Current (ampere)	Resume		
Primer					Guaranteed	Measured
	3	11000	5.25	No-load losses (watt)	300	418.29
				Load losses (watt)	1750	1749.53
Secondary		400	144.34	Impedance (%)	4	3.33
				No load current (%)	2.3	7.64

No load losses measurement			
Voltage	Current	Losses	Io
Volt	Ampere	Watt	%
400	11.02	418.29	7.636

Load losses & Impedance measurement				
Voltage	Current	Losses		
Vsc	IN	WTo	P(75°C)	Iz(75°C)
Volt	Ampere	Watt		%
352.2	5.25	1484.3	1749.53	3.33

					Resistance winding					
	Nominal	Measurement			Primary side (Ω)			Secondary side (Ω)		
Tap		U	V	W	1U-1V	1V-1W	1U-1W	2u-2v	2v-2w	2u-2w
1	50.01	50.04	50.05	50.04						
2	48.82	48.85	48.85	48.85						
3	47.63	47.67	47.67	47.66	18.83	18.90	18.91	0.022203	0.022206	0.022356
4	46.44	46.46	46.46	46.46						
5	45.25	45.26	45.26	45.25						
6	44.06	44.07	44.07	44.07						
7	44.06	42.89	42.89	42.88						

Insulation test								
Induced Over voltage			Applied Voltage			Megger Test		
Supplied on			Between					
At	800.00	Volt	HV-LV+Earth :	28	KV	Test Voltage	2500	VDC
At	150	Hz	LV-HV+Earth :	3	KV	HV-G	16500	M Ohm
Duration	40	sec	Duration	60	Sec	LV-G	7100	M Ohm
Result	Withstand		Result	Withstand		HV-LV	11800	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, 25/02/2019	
1.		PT. MAXIMA DAYA INDONESIA	
2.			
3.		(Juli Rokhmad)	