

<b>MAXIMA</b>		<b>Transformer Test Report</b>			
No Dokumen	:	FM -03-006-PP	Tanggal	:	28 Februari 2018
Revisi	:	1	Hal	:	1

Transformer	3	Phase	Freq	50	Hz	Transformer No	:	190010001-S
Vector group	Dyn5	Rated power	630		kVA	Customer	:	
Standard								


	Tap	Voltage (volt)	Current (ampere)	Resume		
Primer					Guaranteed	Measured
	3	20000	18.19	No-load losses (watt)	1200	1048.35
				Load losses (watt)	8500	7120.24
Secondary		400	909.33	Impedance (%)	4	3.75
				No load current (%)	1.8	0.50

No load losses measurement			
Voltage	Current	Losses	Io
Volt	Ampere	Watt	%
400	4.58	1048.35	0.504

Load losses & Impedance measurement				
Voltage	Current	Losses		
Vsc	IN	WTo	P(75°C)	Iz(75°C)
Volt	Ampere	Watt		%
741.1	18.19	6205	7120.24	3.75

					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	90.93	90.94	90.94	90.94						
2	88.77	88.74	88.74	88.74						
3	86.60	86.58	86.58	86.58	6.73	6.69	6.78	0.001970	0.001938	0.001975
4	84.44	84.43	84.44	84.44						
5	82.27	82.28	82.29	82.29						

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	4700	M Ohm
Duration	40	sec	Duration	60	Sec	LV-G	3500	M Ohm
Result	Withstand		Result	Withstand		HV-LV	4100	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, 26/02/2019	
1.		PT. MAXIMA DAYA INDONESIA	
2.			
3.		( Juli Rokhmad )	