

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	:	190490002-S
Vector group	Dyn5	Rated power	100	kVA	Customer	:		
Standard								


	Tap	Voltage (volt)	Current (ampere)	Resume		
Primer					Guaranteed	Measured
	3	3300	17,50	No-load losses (watt)	300	218,98
				Load losses (watt)	1600	1606,91
Secondary		400	144,34	Impedance (%)	4	4,20
				No load current (%)	0,0	0,48

No load losses measurement			
Voltage	Current	Losses	Io
Volt	Ampere	Watt	%
400	0,70	218,98	0,482

Load losses & Impedance measurement				
Voltage	Current	Losses		
Vsc	IN	WTo	P(750C)	Iz(75°C)
Volt	Ampere	Watt		%
136,4	17,50	1420,3	1606,91	4,20

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	15,75	15,71	15,71	15,71						
2	15,00	15,00	15,00	15,00						
3	14,29	14,30	14,30	14,30	1,78	1,77	1,77	0,017158	0,017226	0,017004
4	13,57	13,58	13,58	13,58						
5	12,90	12,86	12,87	12,86						

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	11000	M Ohm
Duration	40	sec	Duration	60	Sec	LV-G	7000	M Ohm
Result	Withstand		Result	Withstand		HV-LV	9000	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, 15/11/2019 PT. MAXIMA DAYA INDONESIA
1.		 ( Juli Rokhmad )
2.		
3.		