

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	:	190160001-S
Vector group	Dyn5	Rated power	150	kVA	Customer	:		
Standard								


	Tap	Voltage (volt)	Current (ampere)	Resume		
Primer					Guaranteed	Measured
	3	415	208,68	No-load losses (watt)	350	324,02
				Load losses (watt)	2500	3257,17
Secondary		380	227,90	Impedance (%)	4	4,88
				No load current (%)	2,4	0,55

No load losses measurement			
Voltage	Current	Losses	Io
Volt	Ampere	Watt	%
380	1,26	324,02	0,554

Load losses & Impedance measurement				
Voltage	Current	Losses		
Vsc	IN	WTo	P(750C)	Iz(750C)
Volt	Ampere	Watt		%
14,8	154,07	1669	3257,17	4,88

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	1,80	1,77	1,77	1,78					
2	1,89	1,86	1,86	1,86	0,02	0,02	0,02	0,010666	0,010767
3	2,00	1,98	2,00	1,97					

Insulation test								
Induced Over voltage			Applied Voltage			Megger Test		
Supplied on			Between					
At	760,00	Volt	HV-LV+Earth :	3	KV	Test Voltage	2500	VDC
At	150	Hz	LV-HV+Earth :	3	KV	HV-G	18000	M Ohm
Duration	40	sec	Duration	60	Sec	LV-G	12000	M Ohm
Result	Withstand		Result	Withstand		HV-LV	14000	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, 22/03/2019 PT. MAXIMA DAYA INDONESIA
1.		 (Juli Rokhmad)
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