

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	:	190070002-S
Vector group	Dyn5	Rated power	200	kVA	Customer	:		
Standard								


	Tap	Voltage (volt)	Current (ampere)	Resume		
Primer					Guaranteed	Measured
	3	20000	5,77	No-load losses (watt)	480	433,83
				Load losses (watt)	2500	2401,15
Secondary		400	288,68	Impedance (%)	4	3,99
				No load current (%)	2,2	0,28

No load losses measurement			
Voltage	Current	Losses	Io
Volt	Ampere	Watt	%
400	0,81	433,83	0,281

Load losses & Impedance measurement				
Voltage	Current	Losses		
Vsc	IN	WTo	P(750C)	Iz(75°C)
Volt	Ampere	Watt		%
789,4	5,77	2102,5	2401,15	3,99

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	95,26	95,24	95,25	95,25						
2	93,10	93,09	93,10	93,02						
3	90,93	90,93	90,91	90,93	17,47	17,30	17,45	0,008160	0,008096	0,008212
4	88,77	88,74	88,73	88,74						
5	86,60	86,56	86,57	86,56						
6	84,44	84,40	84,42	84,40						
7	82,27	82,25	82,26	82,25						

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	1030	M Ohm
Duration	40	sec	Duration	60	Sec	LV-G	4900	M Ohm
Result	Withstand		Result	Withstand		HV-LV	3700	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, 02/04/2019 PT. MAXIMA DAYA INDONESIA		
1. 2. 3.			 (Juli Rokhmad)		