

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	:	190490003-S
Vector group	Dyn5	Rated power	160	kVA	Customer	:		
Standard								


	Tap	Voltage (volt)	Current (ampere)	Resume		
Primer					Guaranteed	Measured
	3	20000	4,62	No-load losses (watt)	400	354,98
				Load losses (watt)	2000	1446,82
Secondary		400	230,94	Impedance (%)	4	3,32
				No load current (%)	2,3	0,29

No load losses measurement			
Voltage	Current	Losses	Io
Volt	Ampere	Watt	%
400	0,66	354,98	0,286

Load losses & Impedance measurement				
Voltage	Current	Losses		
Vsc	IN	WTo	P(750C)	Iz(75°C)
Volt	Ampere	Watt		%
658,1	4,62	1280,8	1446,82	3,32

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	90,93	90,79	90,82	90,85						
2	88,77	88,62	88,65	88,69						
3	86,60	86,43	86,46	86,52	20,29	20,93	21,03	0,005965	0,005991	0,005917
4	84,44	84,29	84,32	84,35						
5	82,27	82,12	82,14	82,18						
6	80,11	79,95	79,97	80,01						
7	77,94	77,79	77,81	77,85						

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	11000	M Ohm
Result	Withstand		Result	Withstand		HV-LV	5000	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, 07/11/2019 PT. MAXIMA DAYA INDONESIA
1.		 Juli Rokhmad
2.		
3.		