

<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	:	190100035-P
Vector group	Yzn5	Rated power	100	kVA	Customer	:		
Standard								

	Tap	Voltage (volt)	Current (ampere)	Resume		
Primer					Guaranteed	Measured
	3	20000	2,89	No-load losses (watt)	210	226,84
				Load losses (watt)	1420	1451,73
Secondary		400	144,34	Impedance (%)	4	4,02
				No load current (%)	-	0,35

No load losses measurement			
Voltage	Current	Losses	Io
Volt	Ampere	Watt	%
400	0,51	226,84	0,350

Load losses & Impedance measurement				
Voltage	Current	Losses		
Vsc	IN	WTo	P(750C)	Iz(750C)
Volt	Ampere	Watt		%
794,1	2,89	1294,2	1451,73	4,02

		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	90,99	90,98	91,00						
2	88,77	88,83	88,82	88,83						
3	86,60	86,66	86,64	86,66	48,98	49,21	49,26	0,019592	0,019800	0,019705
4	84,44	84,48	84,48	84,52						
5	82,27	82,36	82,34	82,36						
6	80,11	80,15	80,12	80,14						
7	77,94	77,97	77,96	77,96						

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	2000	M Ohm
Duration	40	sec	Duration	60	Sec	LV-G	2300	M Ohm
Result	Withstand		Result	Withstand		HV-LV	1900	M Ohm
Vector group check :			Yzn5	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, 06/05/2019 PT. MAXIMA DAYA INDONESIA
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		( Juli Rokhmad )	