

1



TEST REPORT

Summary

Report No.
516061

Page 3 of 57

Serial No.: 516061

No Load Losses

Voltage (%)	Tap Position	Power Base (MVA)	No Load Losses (kW)		Current	
			Measured	Guaranteed	Measured	Guaranteed
100	- / 11	170	59.16	69	0.06516 %	-

Load Losses

Terminals	Connection (kV)	Tap Position	Power Base (MVA)	Losses at Ref. Temp.		Impedance at Ref. Temp.	
				Measured (kW)	Guaranteed (kW)	Measured (%)	Guaranteed (%)
H1-H2-H3-H0 X1-X2-X3	220 / 33	11 / -	170	464.23	470	12.95	13

Temperature Rise

Connection (kV)	Cooling Condition	Terminals	Mean Oil Temp. Rise (°C)	Top Oil Temp. Rise (°C)	Guaranteed Top Oil Temp. Rise (°C)	Mean Winding Temp. Rise (°C)	Guaranteed Mean Winding Temp. Rise (°C)
187 / 33	ONAF	H1-H2	32.8	46.3	60 °C	50.8	65 °C
187 / 33	ONAF	X2-X3	32.8	46.3	60 °C	42.3	65 °C
187 / 33	ONAN	H1-H2	34.4	44.0	60 °C	46.4	65 °C
187 / 33	ONAN	X2-X3	34.4	44.0	60 °C	42.9	65 °C

Test Date:
10-Feb-2017

Test Engineer:
Pitan Sorojsrisom

Test Department:
TD/TPT



TEST REPORT
Zero Sequence Impedance

Report No.
516061

Page 19 of 57

Serial No.: 516061

Applied Standard: IEC 60076

Windings with Circulating Current			Taps	Power Base (MVA)	Meas. Voltage (kV)	Meas. Curr. (A)	Zo (Ω /Phase)	Zo at 30.4 °C (%)
Supplied Terminals	2 nd Terminals	3 rd Terminals						
H1-H2-H3-H0	X1-X2-X3		21 / -	170	1.650	100.91	49.05	13.03
H1-H2-H3-H0	X1-X2-X3		11 / -	170	1.196	101.40	35.38	12.43
H1-H2-H3-H0	X1-X2-X3		1 / -	170	0.8669	100.46	25.89	12.58

Test Criteria: For reference only

Test Date:
10-Feb-2017

Test Engineer:
Pitan Sorojsrisom

Test Department:
TD/TPT