

ตารางที่ 4 Winding Insulation Resistance Test

TIS		Review Last PM										Job no. Contact Glow 01 Page: G0	
Customer:		Glow Energy											
Inspection and Test Data Sheet													
Standard		: The polarization index shall not be less than 1.0. (IEEE 62)								Serial Number		: 4710350	
Test Item		: Winding Insulation Resistance Test								Manufacturer		: TIRA THAI	
Unit Number		: 1ABAT10								Year of manufacture		: 2005	
Capacity (MVA)		: 50											
Year	Tested Date	Primary to Ground					Test voltage : 2500 Vdc					PI = MQ at 10 MQ at 1	
		Insulation resistance (MQ) at any times (min.)											
		1	2	3	4	5	6	7	8	9	10		
2007													
2008													
2009	22/9/2009	2500	2550	2630	2650	2700	2730	2800	2850	2860	3010	1.2	
2010													
Year	Tested Date	Secondary to Ground					Test voltage : 500 Vdc					PI = MQ at 10 MQ at 1	
		Insulation resistance (MQ) at any times (min.)											
		1	2	3	4	5	6	7	8	9	10		
2007													
2008													
2009	22/9/2009	3040	3490	4030	4440	4720	4820	5050	5220	5450	5610	1.85	
2010													
Note : N/A = Not Applicable													

ตารางที่ 5 Oil Analysis Assessment

IEC		Oil Analysis Assessment				Document no. IEC-ASS-11 Page : G2	
Customer :		Job no. :		Location :		Equipment ID. :	
Glow Energy		Contact Glow_01		ST-1D		10BAT10GAO10	
TECHNICAL DATA							
Method		: DGA Analysis (ASTM 3612-02)			Capacity (MVA) : : 63.50		
Unit Number		: 10BAT10GAO10			Rated Voltage (kV) : : 123/11		
Location		: ST-1D			Year : : 2004		
Manufacturer		: TIRATHAI			Sampling Point : : Main Tank		
Serial Number		: 4710343					
Sampled Date		21/12/2010					
Tested Date		5/1/2011					
Component Gas	Criteria (ppm)	ppm					
O2(Oxygen)	N/A	37118					
N2(Nitrogen)	N/A	49388					
CO2(Carbon Dioxide)	<2500	21988					
CO(Carbon Monoxide)	<350	193					
H2(Hydrogen)	<100	1					
CH4(Methane)	<120	4					
C2H2(Acetylene)	<2	ND					
C2H4(Ethylene)	<50	ND					
C2H6(Ethane)	<85	ND					
C3H6(Propylene)	N/A	16					
C3H8(Propane)	N/A	23					
Total Combustible Gas	720	237					
Temperature (°C)		70					
Test Result		Normal					