

TEST REPORT N° 1999/50991/05**RAPPORT D'ESSAI DE TYPE - TYPE TEST REPORT - TYPPRÜFPROTOKOLL**

Appareil :
Apparatus : TRANSFORMATEUR DE COURANT
Gerät :

Type : CTH 550 /6

SN : 1999/50991/05

Fabricant :
Manufacturer : ALSTOM BELGIUM
Hersteller :

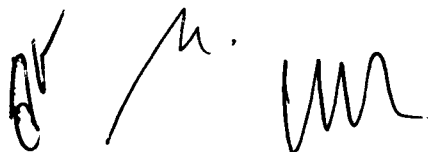
ALSTOM Belgium S.A.
54, rue de Magnée
4610 Beyne-Heusay (Belgique)

Client :
Customer : TEAS TURK
Kunde :

Essai : Choc onde pleine
Test : Full wave impulse test
Prüfung : Stoßspannungsprüfung

Ce rapport contient - This report consists of - Dieser Prüfbericht enthält :

Pages - Sheets - Seiten : 7
Annexes - Appendixes - Beilagen :



TEST REPORT N° 1999/50991/05**Essai de choc onde pleine - Full wave impulse test - Stoßspannungsprüfung**

Norme - Standard - Vorschriften : IEC 60044-2/1997

Nombre d'impulsions Number of impulses Anzahl Stöße	Forme d'onde Wave forme Wellenform (µs)	Niveau de tension Voltage level Stoßspannung (kV)	Polarité Polarity Polarität
2	1,2 / 50 µ sec	775 KV	-
3		1550 KV	-
3		1550 KV	+

Résultat - Result - Resultat : No external flashover nor internal breakdown has been observed
After test, PD level < 10/5 pc at 1,2/0,7 Un after 80% U diél

Lieu d'essai - Test place - Ort der Prüfungen : ALSTOM BELGIUM

ALSTOM Belgium S.A.
54, rue de Magnée
4610 Beyne-Heusay (Belgique)

Témoin(s) - Witness(es) - Zeuge(n) : E ALI MEMICOGLU
METE ÖZKUM
KEMAL ÖNLÜOGLU

TEAS
TEAS
ALSTOM

Date - Date - Datum : 06/09/1999

Ingénieur d'essai :
Test Engineer : Abdel Cherkaoui
Prüfung Ingenieur :

signature :

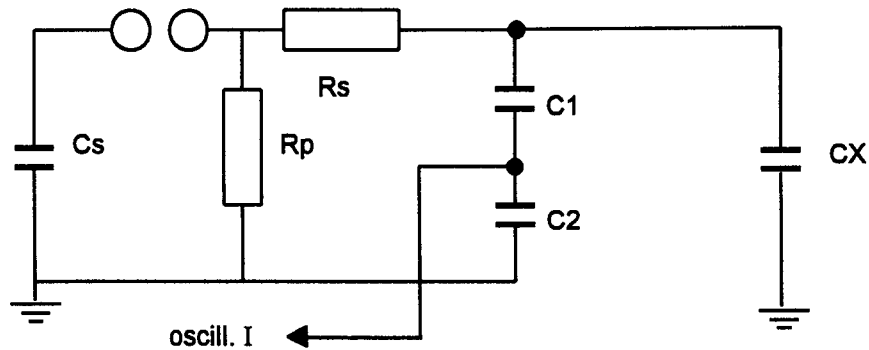
AQ-QA-QS :

signature :

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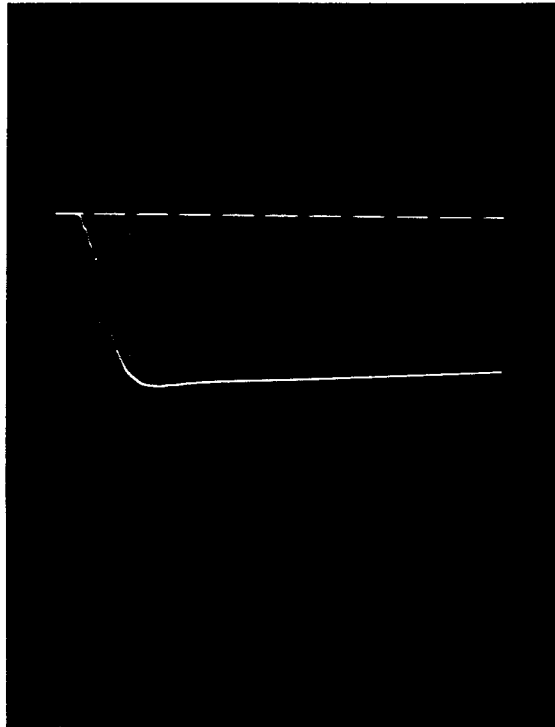
Montage d'essai - Test setup - Prüfschaltung

Générateur Generator Generator	2,4 MV	$C_S = 1000000/24$ pF	Température ambiante Ambient temperature Umgebungstemperatur	24 °C
Etage Stage Stufenzahl	24	$C_X = 900$ pF	Pression atmosphérique Atmospheric pressure	743 mm/Hg
$R_s = 24 \times 15$ $R_p = 24 \times 68$	Ω Ω	$C_1 = 603,78$ pF	Luftdruck Humidité Humidity Luftfeuchtigkeit	$d = 0,386 \frac{b}{273+t} = 0,965$ $k = 0,965$
		$C_2 = 1114000$ pF		
		R.D.C = 1848,4		



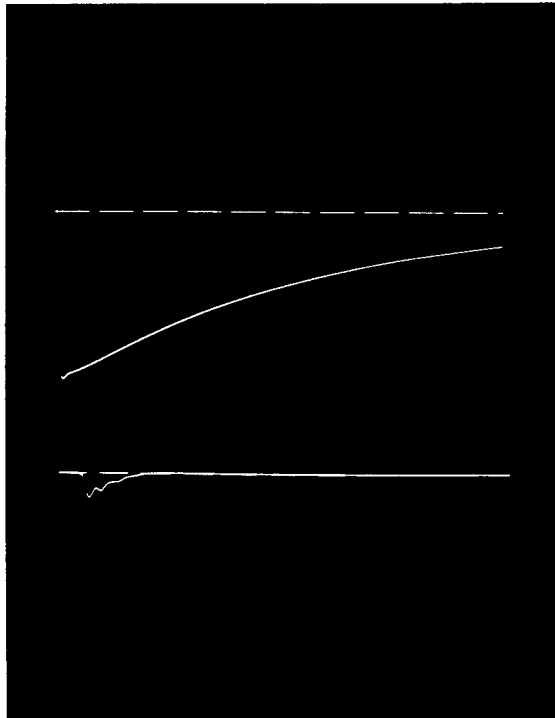
TEST REPORT N°

Osc. N° 01 - U = -775 kV



1,32 μ s

Osc. N° 02 - U = -775 kV

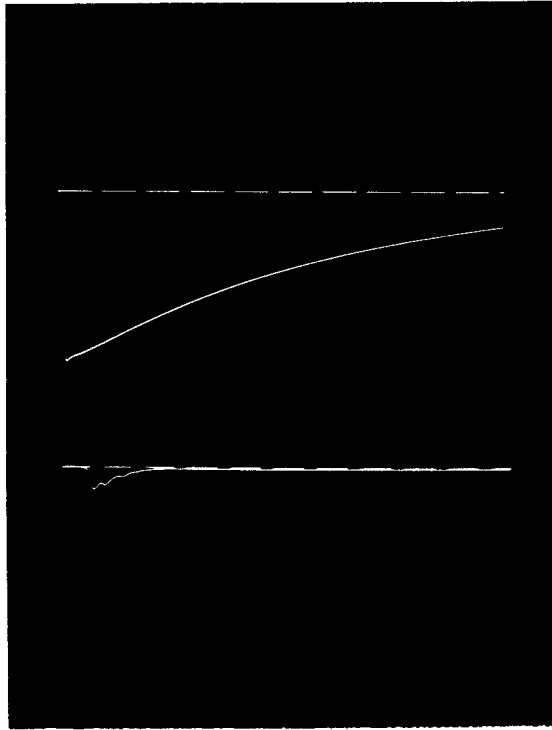


43,2 μ s

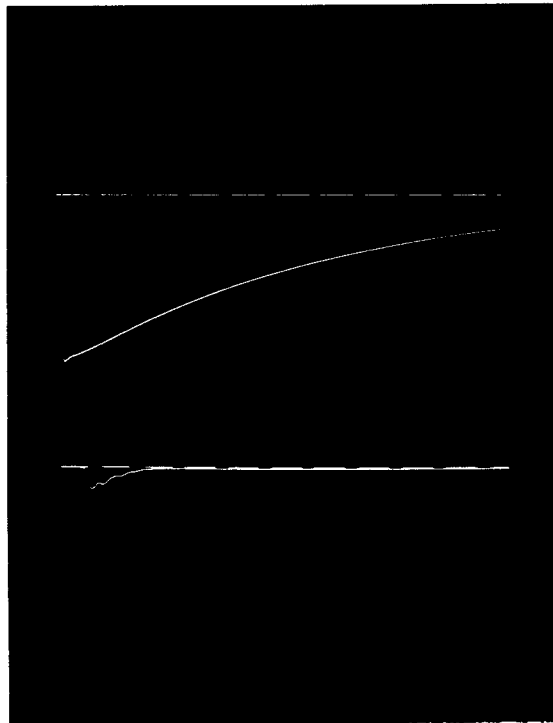
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TEST REPORT N°

Osc. N° 03 - U = -1550 kV



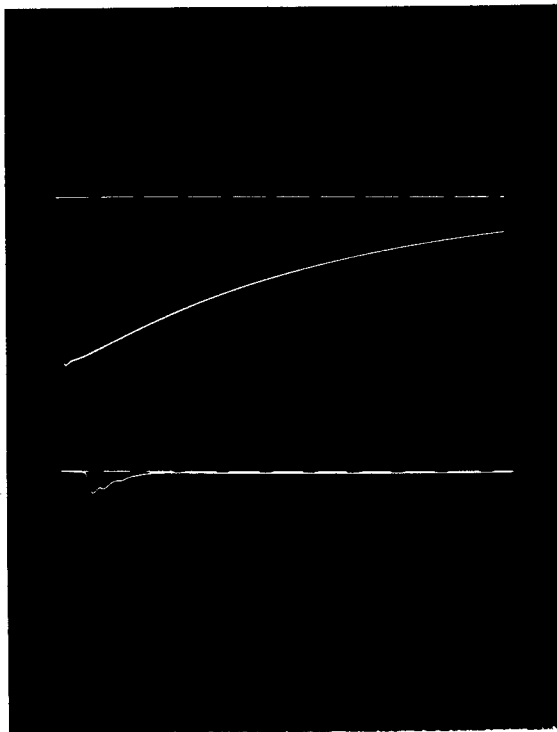
Osc. N° 04 - U = -1550 kV



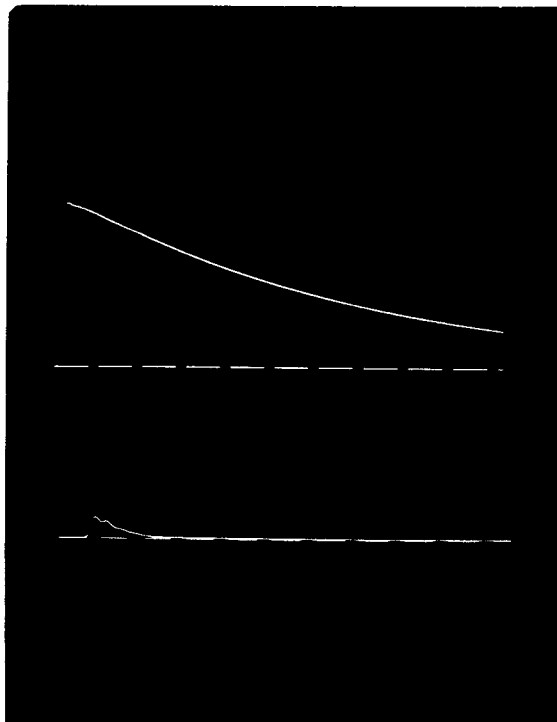
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TEST REPORT N°

Osc. N° 05 - U = -1550 kV



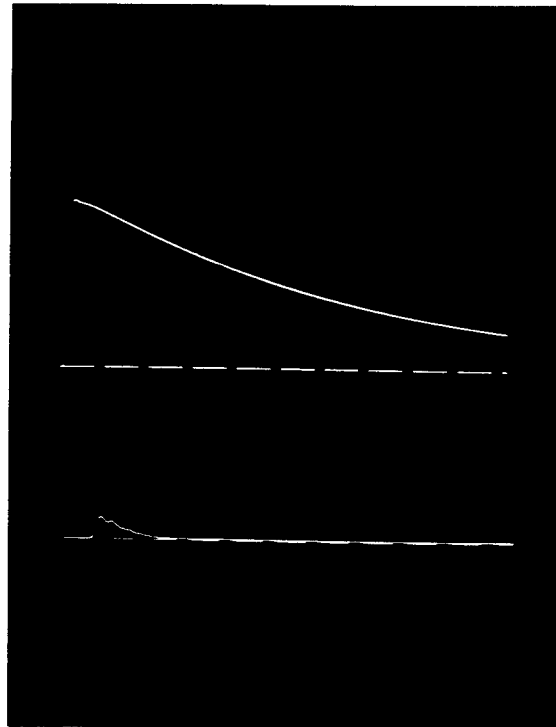
Osc. N° 06 - U = +1550 kV



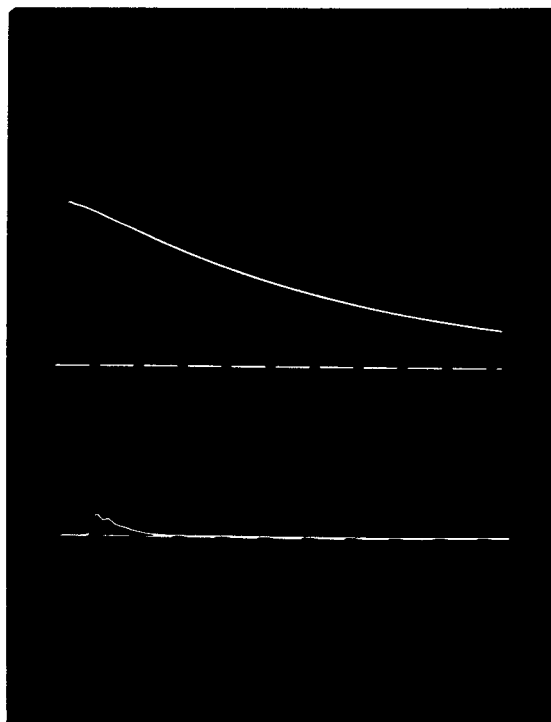
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TEST REPORT N°

Osc. N° 07 - U = +1550 kV



Osc. N° 08 - U = +1550 kV



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ALSTOM		CURRENT TRANSFORMER			CTH550	
		420/680-3.0/1550/1175 kV				
		STAND. IEC 185 - 1987			1999/50991	
+O ————— O		PRIM.	I.th = 40	KA-1 s.	I.dyn = 100	KA
P1 ————— P2		P1- P2	I.n = 1600	A	EXT = 120	%
SCHEMAT. DIAGRAMS		TERMIN.	RATIOS	VA	CLASS	Fs
+O — O — O — O — O		1S1-1S2	400/1	30	0.5	5
1S1-1S2-1S3-1S4-1S5		1S1-1S3	800/1	30	0.5	10
		1S1-1S4	1200/1	30	0.5	15
		1S1-1S5	1600/1	30	0.5	15
+O — O — O — O — O		.S1-.S2	400/1	30	5P20	
2S1-2S2-2S3-2S4-2S5		.S1-.S3	800/1	60	5P20	
3S1-3S2-3S3-3S4-3S5		.S1-.S4	1200/1	60	5P20	
4S1-4S2-4S3-4S4-4S5		.S1-.S5	1600/1	60	5P20	
F = 50 Hz		SERIAL Nr =		OIL TYPE A = 375 Kg		
(50991:AA)				TOTAL WEIGHT= 1630 Kg		
HERMETICALLY SEALED		- OPENING FORBIDDEN		- POSITION 1		

RATING PLATE MADE IN ANODISED ALUMINIUM - ALPHOT PROCESS
FASTENED WITH 4 HOLES AT 8 mm FROM EACH SIDE
DIMENSIONS = 148 mm X 74 mm X 0.8 mm
SCALE = 1/1
LIGHT BACKGROUND - BLACK WRITING

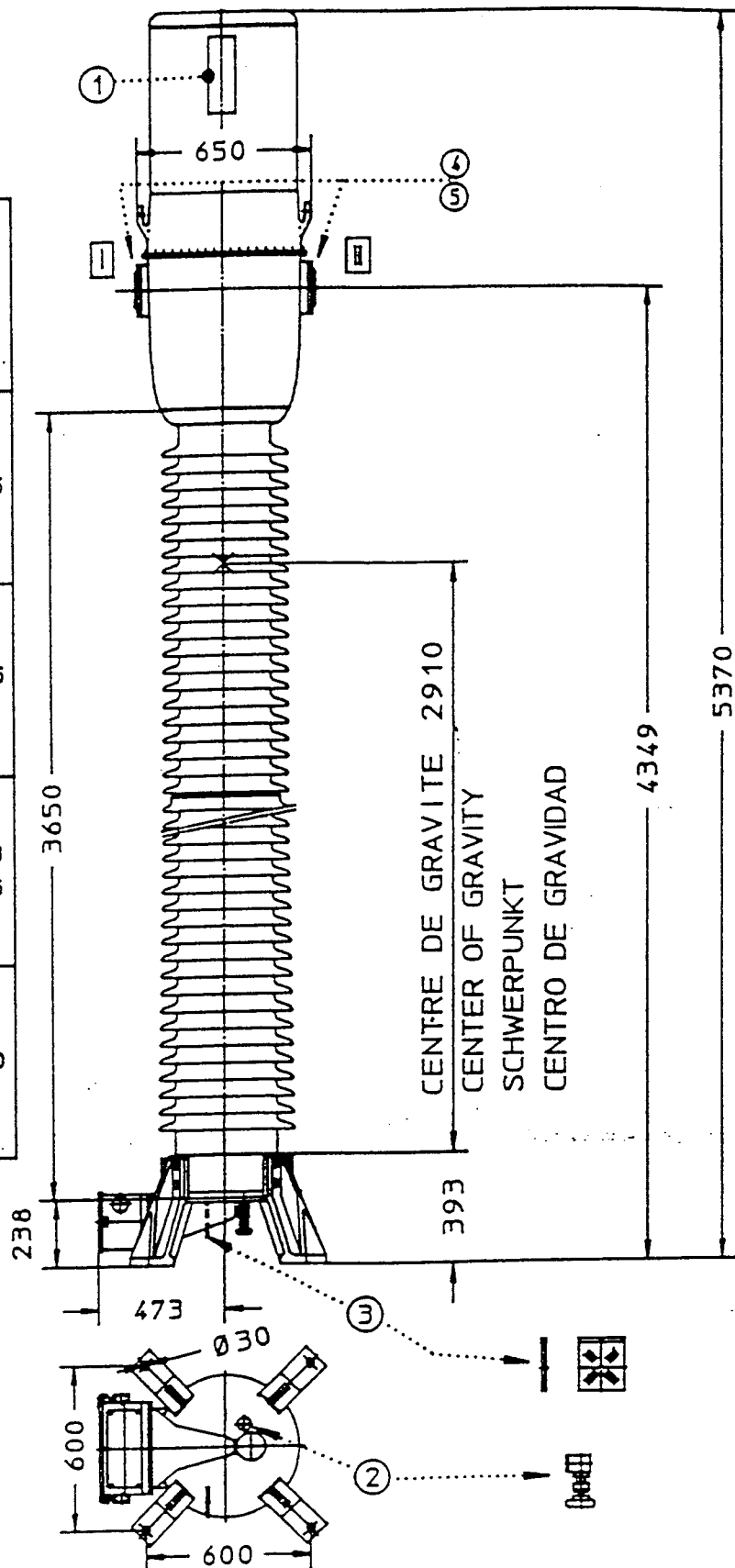
RATING PLATE					
DATE	REV	ORDER	QTY	TYPE	DRAWING
19-01-99 (MAI. 94)	0	50991	6	CTH550	7 - 50991:AA

I	P1	H1	K	
II	P2	H2	L	

Indicateur de niveau. Level Indicator. ① Ölstandanzeiger. Indicador de nivel.	
Vanne d'échantillon. ② Sampling valve. Ölentnahmeventil. Valvula de drenaje.	5351155
Plat de terre ③ Earthing pad Din erdungsanschluss Pletina se tierra	5351155
Barre primaire. ④ Primary bar. Stableiter. Bara primaria.	S R P 5351173 5351175
Primaire multirapports. ⑤ Multiratio primary. Primär umschaltbar. Primario multirelacion.	D R P 5351230

Poids total :
Total weight: 1630 Kg
Gewicht :
Peso total :

Huile :
Oil : 375 Kg.
Öl :
Aceite :



E 365 GS

Transformateur de courant
Current transformer CTH 550/6
Stromwandler
Transformador de corriente

GEC ALSTHOM

BAL TEAU

REVISION

1	H5553c- 3.195.
2	
3	
4	

REPERT.

NOI.

R+N*/disk2/Huile/CTH/Encombrement/5351424

TCH X IOH X PTH X GCH X

Beyne-Heusay
BELGIQUE

ECHELLE
1/25

DESSINE
CP

VU

REPLACE PAR

DATE

14.11.94.

PLAN

N°

5351424