

Essai de choc - Impulse Test - Stossprüfung

Type : CTH 550/6

N° : 50060/6

Client - Customer - Kunde : Scot. POWER.

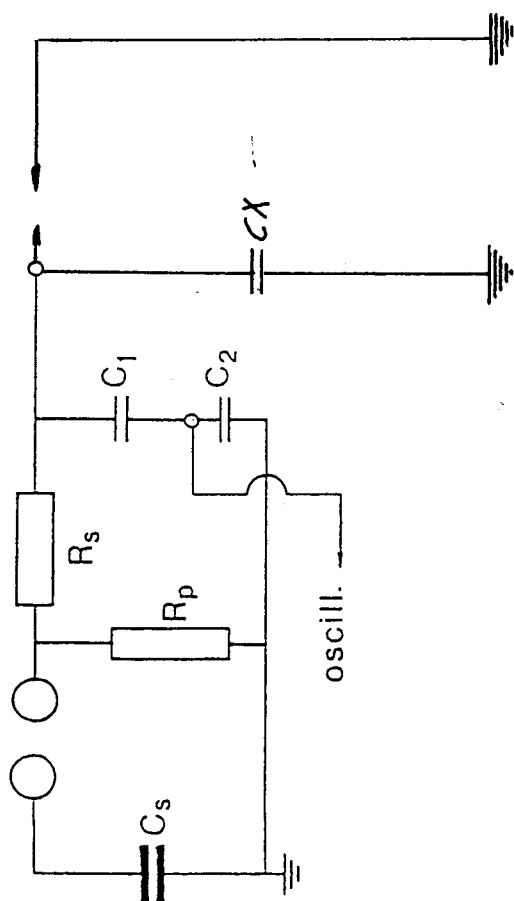
E. DEBOUGNOUX

*Debourg*

le 15.10.96

Norme - Standard - Vorschriften : IEC 185 / 1987

Nombre d'impulsions Multitude of impulses Anzahl der Stösse	Forme d'onde Wave forme Stosswelle <span style="float: right;">µsec</span>	Niveau Level Stossspannung <span style="float: right;">kV</span>	Polarité Polarity Polarität
1	1,2/50	775	+
3	1,2/50	1550	+
1	1,2/50	1550	-
2	1,2/3	1782	-
2	1,2/50	1550	-



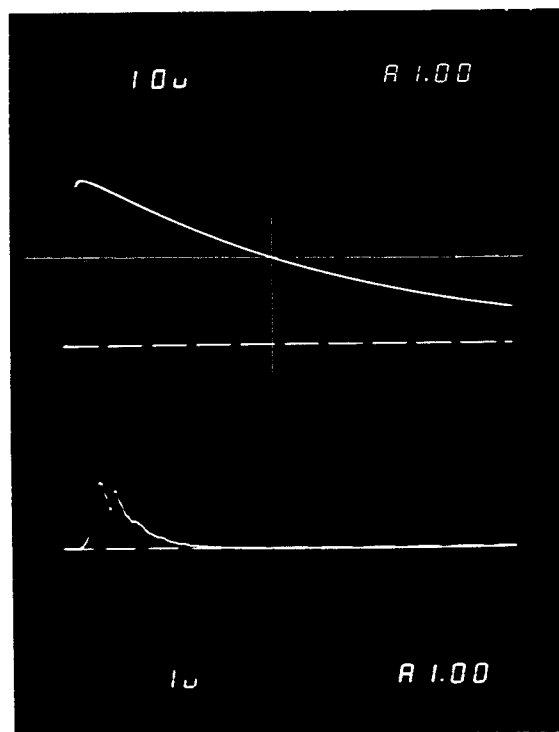
Générateur Generator <span style="float: right;">2,4 MV</span> Generator	$C_S = \frac{1000000}{24}$ pF
Etage Stage <span style="float: right;">24</span> Stufenzahl	$C_X = 834$ pF
$R_s = 24 \times 15 + 200 \Omega$ $R_p = 24 \times 68 \Omega$	$C_1 = 587,9$ pF
	$C_2 = 1104000$ pF
	R.D.C 1884
Température Temperature <span style="float: right;">21 °C</span> Umgebungstemperatur	Humidité Humidity <span style="float: right;">52. %</span> Luftfeuchtigkeit
Pression Pressure <span style="float: right;">740 m/mHg</span> Luftdruck	$d = 0,386 \frac{b}{273+t} = 0,971$ $k = 0,971$
Sphéromètre Measuring sphere gap Mess-Funkenstrecke	$\emptyset =$ cm $d =$ cm
Etalonnage Standardizing Eichspannung	$kV \times k =$ kV
Tension de charge à l'étalonnage	kV

[illegible]

Conclusions - Conclusions - Schlussfolgerungen : No external flashover or internal breakdown has been observed  
P.D. level  $\leq 2$  pc at  $\frac{350}{\sqrt{3}}$  kV rms after 80% U<sub>aid</sub>

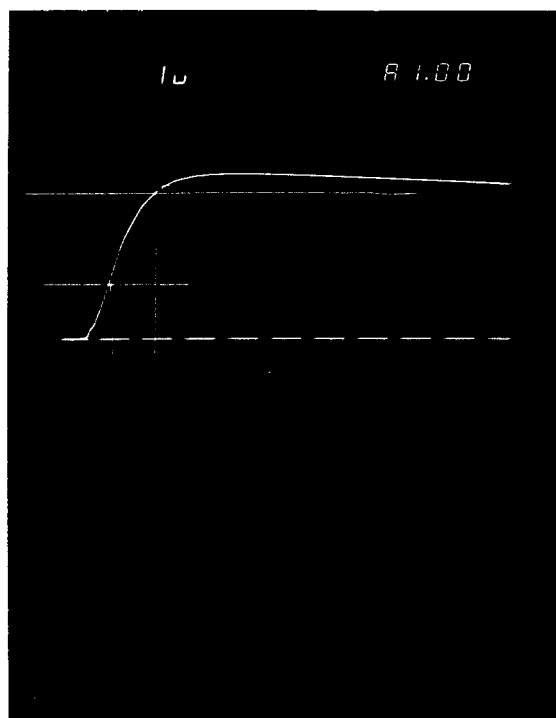
▼  
GEC ALSTHOM  
T&D

N° 1 - U = 774,7 kV<sub>+</sub>



48,2 μs.

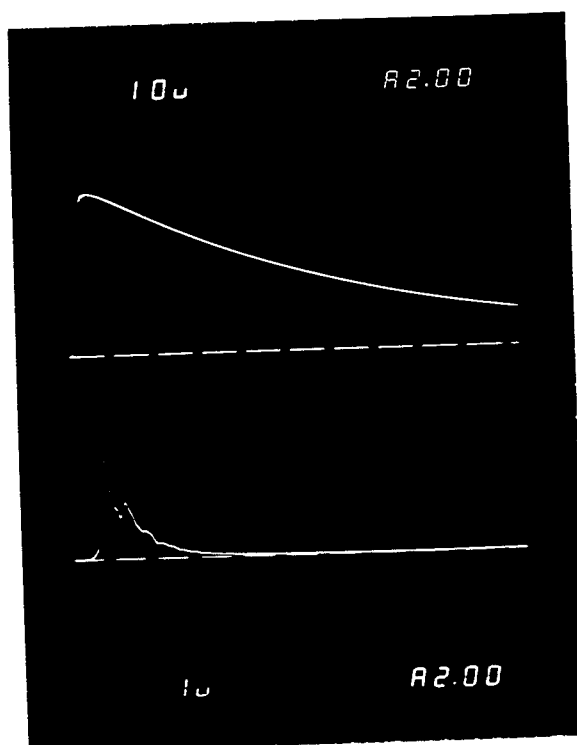
N° 2 - U = 775,5 kV<sub>+</sub>



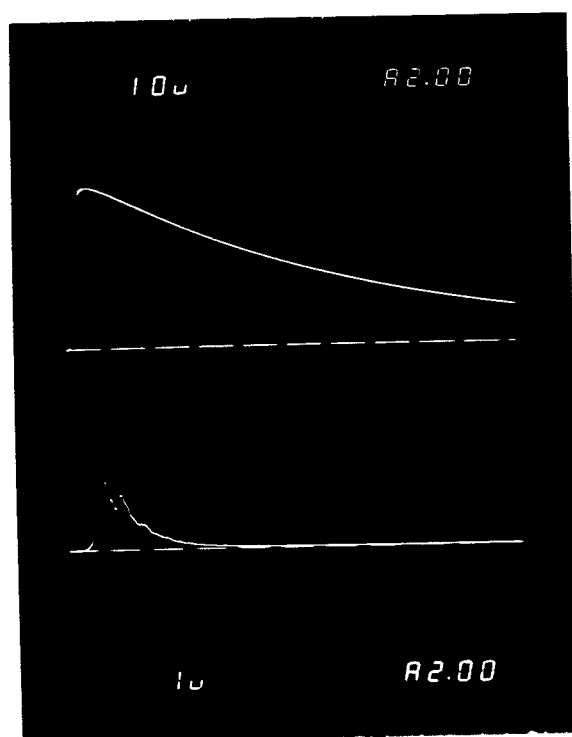
1,52 μs.

▼  
G E C A L S T H O M  
T&D

N° 3 - U = 1546 kV<sup>+</sup>

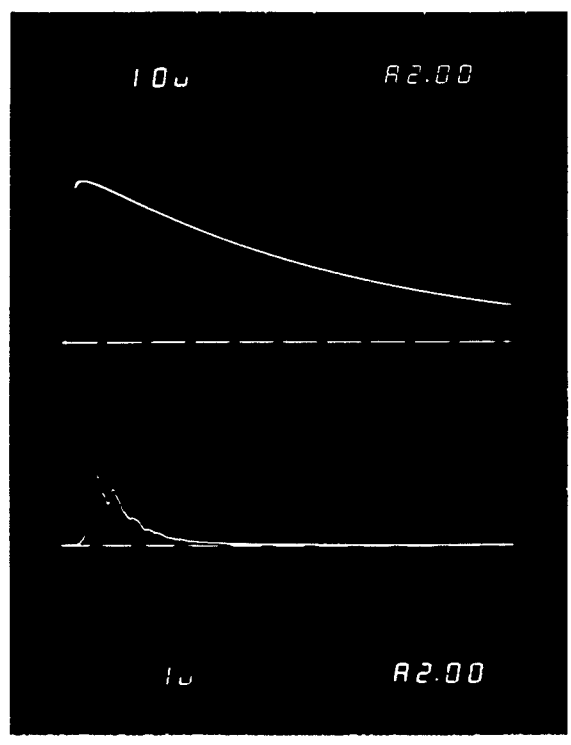


N° 4 - U = 1546 kV<sup>+</sup>

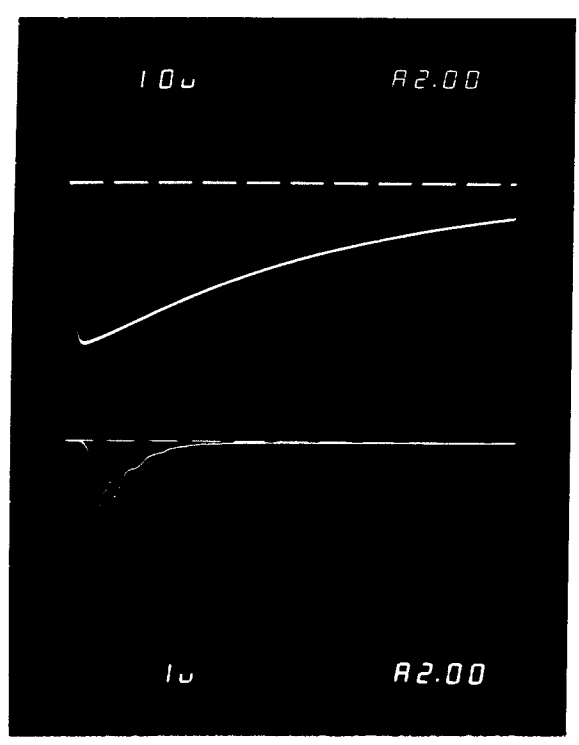


▼  
G E C A L S T H O M  
T&D

N° 5 - U = 1546.  $\hat{V}_+$

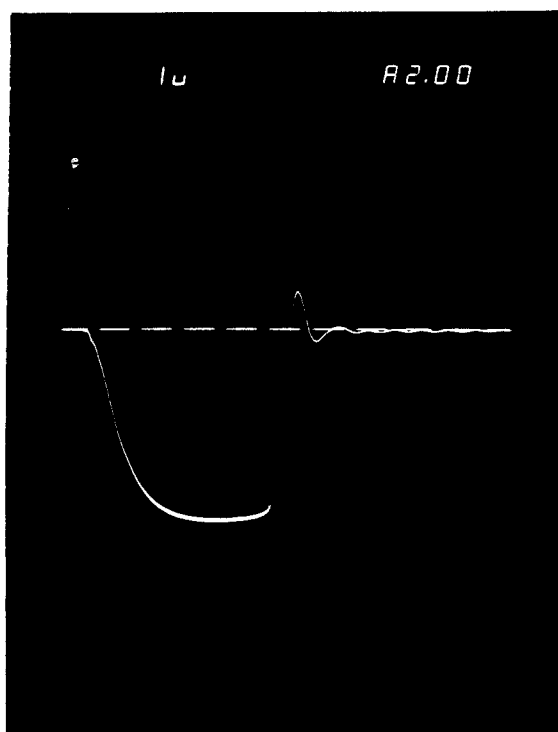


N° 6 - U = 1544  $\hat{V}_-$



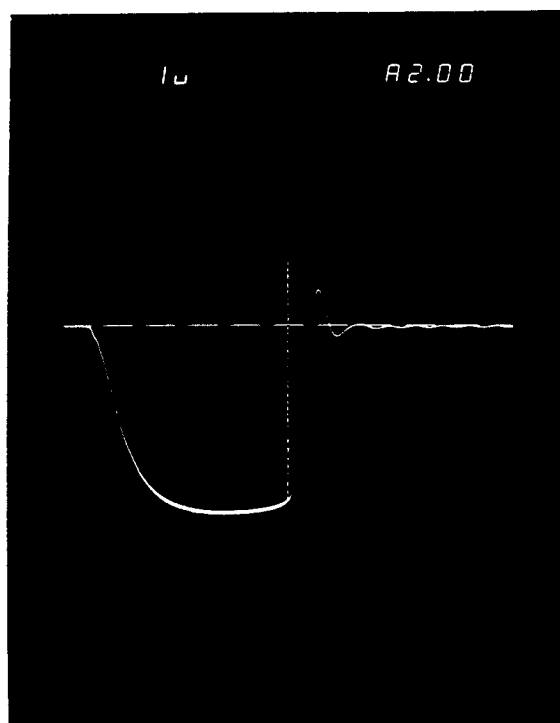
▼  
G E C A L S T H O M  
T&D

N° 7 - U = 1782 kV̂-



3,8 μs.

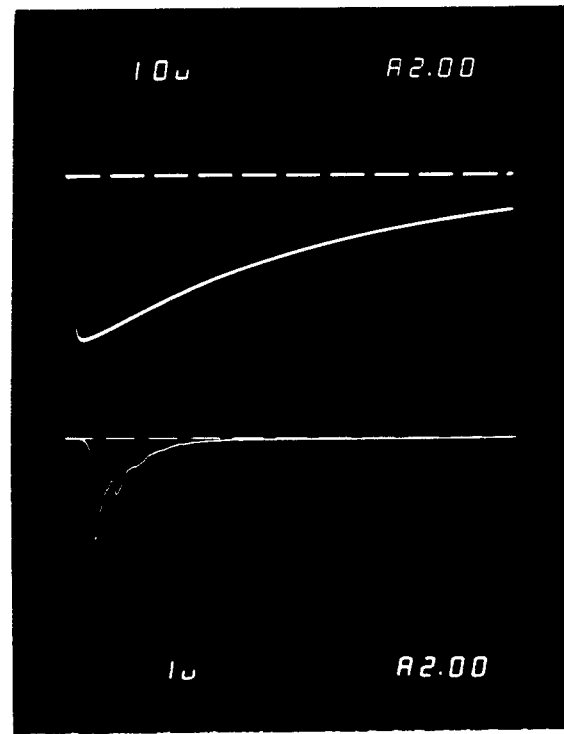
N° 8 - U = 1784 kV̂-



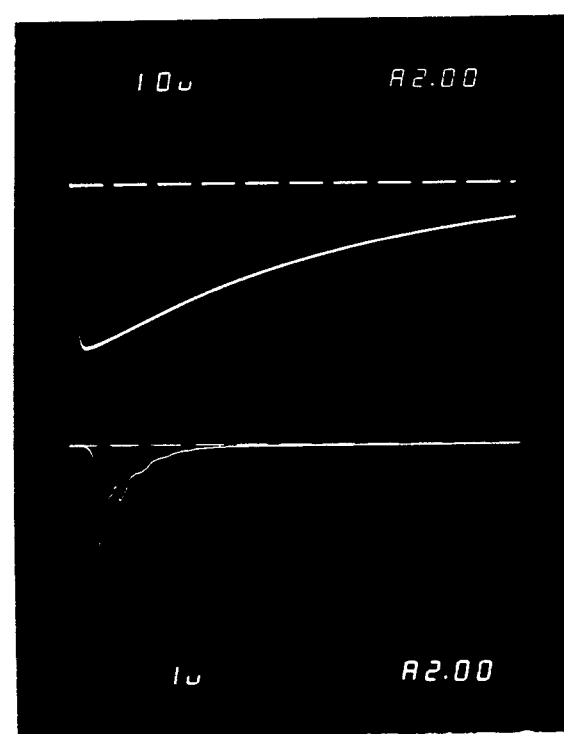
4,2 μs.

▼  
GEC ALSTHOM  
T&D

N° 9 - U = 1550 kV̂ -



N° 10 - U = 1552 kV̂ -

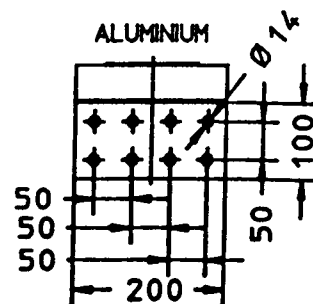
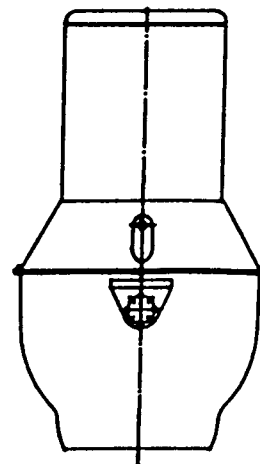
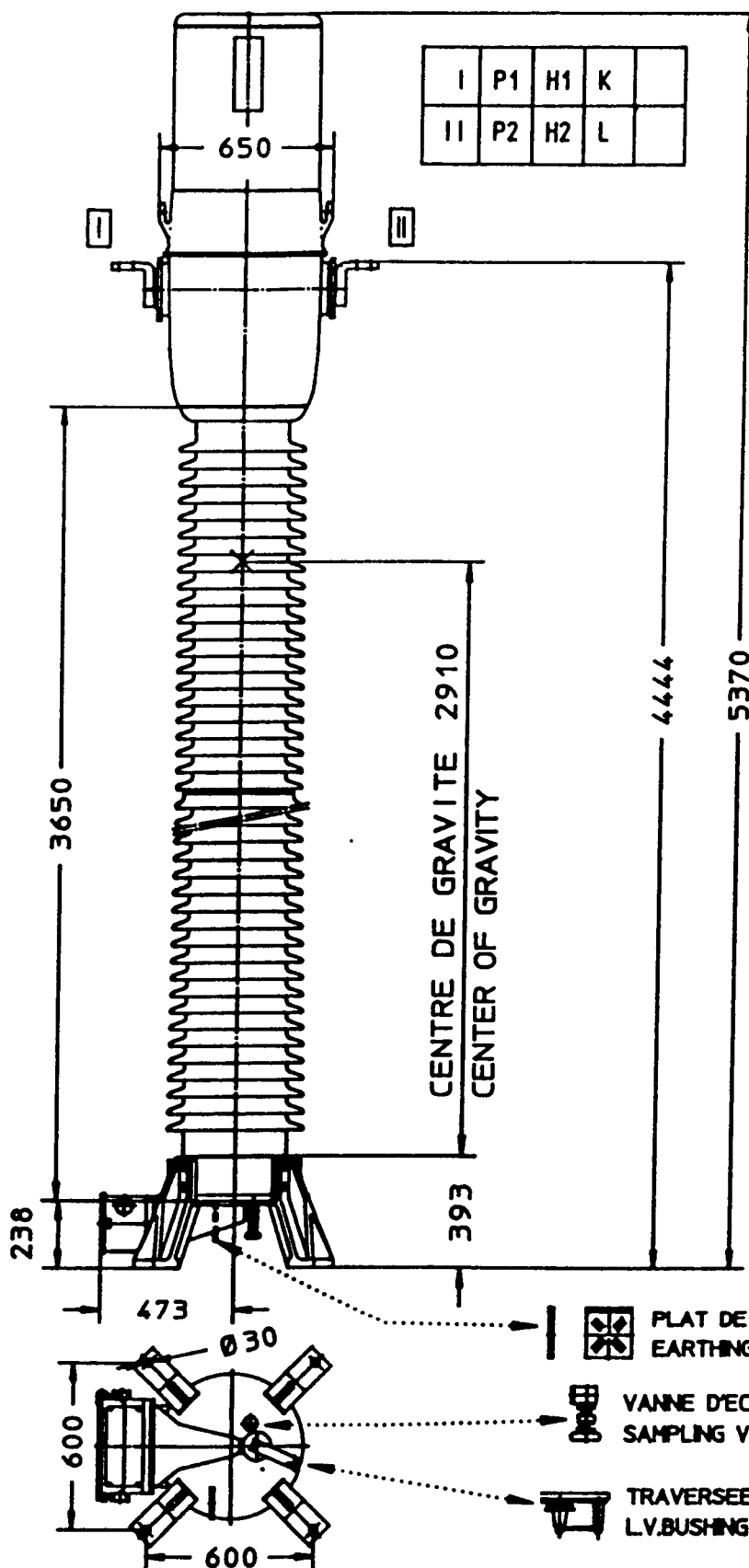


<div><div></div><div>GEC ALSTHOM</div></div>		CURRENT TRANSFORMER 550/680-3/1550-1175 kV STAND. IEC 185 + BS 7626		CTH550/6 1996/50060		
<div><div>+O</div><div>P1</div><div>O</div><div>P2</div></div>		PRIM. P1- P2	I.th = 50 kA-1 s. I.dyn = 125 kA I.n = 1000-2000 A . EXT = 200 %			
SCHEMAT. DIAGRAMS		TERMIN.	RATIOS	VKP>V.	Rct/50	Io<mA.
<div><div>+O</div><div>1S1 - 1S2 - 1S3</div><div>O</div></div>		1S1-1S2	1000/1	1500	2.25	60
		1S1-1S3	2000/1	3000	4.50	30
<div><div>+O</div><div>2S1 - 2S2 - 2S3</div><div>O</div></div>		2S1-2S2	1000/1	1500	2.25	60
		2S1-2S3	2000/1	3000	4.50	30
<div><div>+O</div><div>3S1 - 3S2 - 3S3</div><div>O</div></div>		3S1-3S2	1000/1	285	2.25	60
		3S1-3S3	2000/1	570	4.50	30
<div><div>+O</div><div>4S1 - 4S2 - 4S3</div><div>O</div></div>		4S1-4S2	1000/1	285	2.25	60
		4S1-4S3	2000/1	570	4.50	30
RATED CONTINUOUS THERMAL PRIMARY CURRENT = 4000 A						
UNUSED SECONDARIES MUST BE SHORT-CIRCUITED AND GROUNDED						
F = 50 Hz (50060:AA)		SERIAL Nr =		OIL TYPE A = 375 Kg 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
14-10-96 (MAI. 94)	3	50060	6	CTH550/6	3 - 50060:AA





Poids total :  
Total weight: 1630 Kg

Huile :  
Oil : 375 Kg.

E 365 GS/6

Transformateur de courant  
Current transformer

CTH 550

**GEC ALSTHOM**

BALTEAU

/diak2/Huile/CTH/Encombrement

TCH X

R&D X

PTH X

QCH X

H6064c

REVISION

1

2

3

4

REPORT.

NON

Debye-Huey  
BELGIQUE

ECHELLE  
1/25

DESSINE  
P

VU

REMPLECE PAR

DATE  
10.4.96.

PLAN  
N°

5351619