Department of consumer and corporate affairs / Ministère de la consommation et des corporations

STANDARDS BRANCH - DIRECTION DES NORMES

NOTICE OF APPROVAL T-60

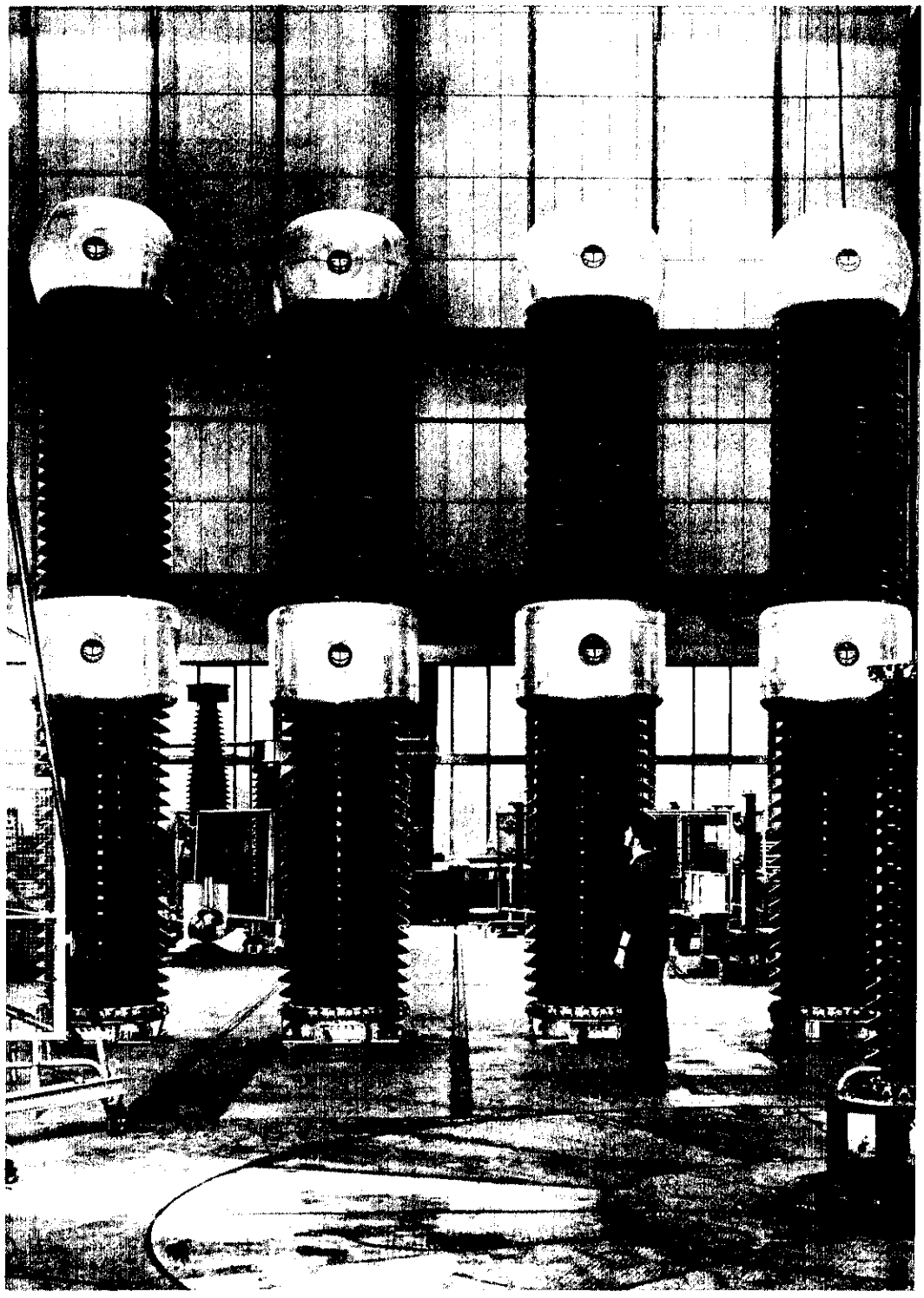
OTTAWA May 28, 1973.

Emile Haefely Type "VEOS 765" Voltage Transformers

Primary Voltage	450,000 Volts
Secondary Voltages	120 and 75 volts
Ratios	3750:1 and 6000:1
Number of Secondaries	2 or 3 tapped or untapped
Accuracy Rating at 60 Hz	
"X" winding	0.3WXYZ, ZZ *
"Y" & "Z" windings	0.6WXYZ *
Secondary Terminals	
2-winding transformers	
120 volts	X1-X2
75 volts	Y1-Y2
3-winding transformers	
120 volts	X1-X3, Y1-Y3, Z1-Z3
75 volts	X2-X3, Y2-Y3, Z2-Z3
Frequency	60 Hz
Burden Capacity	
2 winding transformers (1)	400 VA
3 winding transformers (2)	600 VA
Nominal Voltage Class	765 KV
BIL (basic impulse level)	2100 KV
Thermal capacity	1500 VA each secondary winding

* The nameplates are marked 0.3WXYZ, ZZ for the "X" winding and 0.6WXYZ for the "Y" and "Z" windings.

(1) On 2-secondary transformers, the accuracy rating is 0.3WXYZ, ZZ on the "X" winding which applies when the "Y" winding is not loaded, or 0.3WXYZ which applies when the "Y" winding is loaded with Z burden; and 0.3WXY;0.6Z on the "Y" winding which applies when the "X" winding is not loaded or is loaded with Z burden.



(2) On 3-secondary transformers, the accuracy rating is 0.3WXYZ, ZZ on the "X" winding which applies when neither the "Y" nor the "Z" are loaded, or when either are loaded with Z burden; or 0.3WXYZ which applies when both the "Y" and "Z" windings are loaded with Z burden: and 0.3WXY;0.6Z on the "Y" and "Z" windings which applies when the "X" winding and the "Z" (or "Y") are not loaded or when all windings are loaded with Z burden.

The above apply to both ratios.

Description

These transformers are made in two sections, a line unit and a ground unit, both with the same serial number.

Each section consists of an oil-filled porcelain insulator containing a magnetic transformer, and when the two sections are bolted together these transformers are interconnected.

The primary terminal "HI" is at the top of the transformer for connection to the line and the other primary terminal "H2" is at the base of the transformer for connection to ground.

The secondary terminals are located inside a terminal box at the base of the transformer where they are identified as X1, X2, Y1, Y2 for transformers with two untapped secondary windings and X1, X2, X3, Y1, Y2, Y3, Z1, Z2, Z3 for transformers with three tapped secondary windings.

In all cases the terminal of the pair with the lower suffix has the same polarity as "H1".

A schematic diagram on the nameplate identifies all the secondary terminals.

Approval Granted to: Emile Haefely and Co. Ltd., Basel, Switzerland

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