

## **SURPLUS 910 MVA GSU TRANSFORMER**

One (1) 910 MVA Hyundai, oil filled Generator step-up Transformer, type TL-2060

Serial number: 20110630TKE002 , Year of Manufacturer 2011

Three phase 60 hz. 65 °C rise, imp: 14 % , , copper wound, cooling ODAF

High voltage: 345,000 V GrdY Bil 1050 kv

Low voltage: 24,500 V delta, Bil: 200 kv

Taps: 362,250-345,000-327,750


Core and coils 650,320 lbs.

Tank and fittings 149,755 lbs.

oil (23,038 gallons) 172,660 lbs.

Total 972,735 lbs.





# HYUNDAI

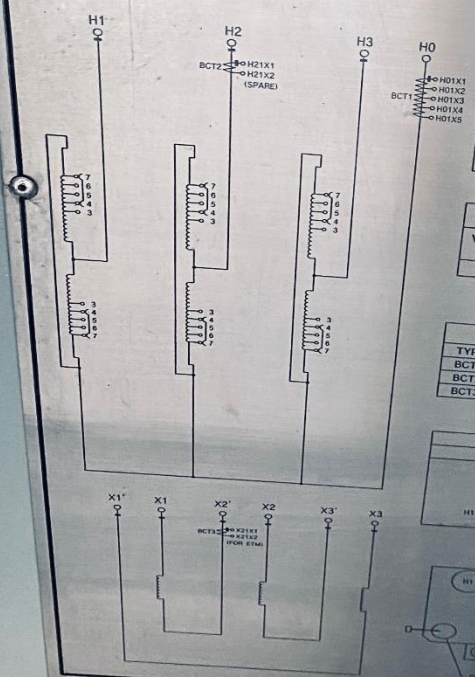
## TRANSFORMER(CORE FORM)

TYPE NO.		TL-2060		NUMBER OF PHASES		3 (THREE)	
RATED FREQUENCY		60 Hz		VECTOR GROUP		GRD Y - DELTA (YN/D)	
MVA RATING FOR HV & XV		910 MVA		COOLING METHOD		ODAF	
BIL(HV/HVN/XV)		1050/200/200 KV					

POS.	HV - XV		H.V	X.V	IMPEDANCE AT 35 °C (BASED ON 910MVA)	
	VOLTAGE(V)	VOLTAGE(V)	CURRENT(A)	CURRENT(A)		
1	362,250	24,500	1450	21,444		
R 3	345,000		1523			
5	327,750		1603			
APPROXIMATE WEIGHT					14.0 %	
CORE AND COILS					65 / 65 °C	

TANK & FITTING	650320 Lbs	TEMP. RISE OF OIL/WINDING	65 / 65 °C
INSULATING OIL	149755 Lbs	CONDUCTOR MATERIAL	COPPER
TOTAL	172660 Lbs	TYPE OF INSUL. OIL	ASTM D3487 (NON-PCB)
UNTANKING	972735 Lbs	TOTAL Q'TY OF INSUL. OIL	GALLONS
TRANSPORTATION	667920 Lbs	TANK DESIGN FOR 14 psi VACUUM FILLING	
SETTING OF P.R.DEVICE	764280 Lbs	REFERENCE TO INSTRUCTION BOOK	M20110630TKEC02
	10 psi	AUDIBLE SOUND LEVEL(ODAF)	62.9 dB
		SERIAL NO.	20110630TKEC02
		YEAR OF MANUFACTURE	2011.09

THE OIL IS INHIBITED AND CONTAINED NO DETECTABLE PCB (< 1 ppm)

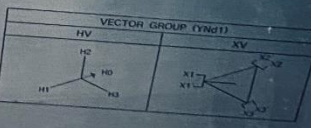


HV SIDE (DETC)			
VOLTAGE (V)	CURRENT (A)	POS.	DETC CONNECTION
362,250	910MVA	1	2-7
345,000	1,486	2	2-6
336,375	1,523	3	2-5
327,750	1,562	4	2-4
	1,603	5	2-3

XV SIDE		
VOLTAGE (V)	CURRENT (A)	REMARK
24,500	21,444	

BUSHING CURRENT TRANSFORMER			
TYPE	RATIO(A)	ACCURACY	REMARKS
BCT1	MR 2000/5	C800	200 FOR RELAY
BCT2	1700/5	1.2	12.5 SHUNT
BCT3	13000/5	1.2	12.5 FOR ETM

VECTOR GROUP (YNd11)



**HYUNDAI HEAVY INDUSTRIES CO., LTD.**  
 ULSAN, KOREA

FLRWD-A11