INVENTORY 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95

Ward Transformer Co. Inc.

TRANSFORMER DEPT.

№ 2444

Received From: TEXAS GULF

Town: AURORA State: N.C.

Received Via:

Card Made: Jack Gaylor Date: 9/11/88

Sold To: P. O. No:

Original Cost:
Shop Cost:
Incoming Freight:
Date Billed:
Our R No:
Cust. Order No:

EQUIPMENT: STATION TYPE TRANSFORMER

Serial No.: 13613

Make: ITE	K.V.A. 1500	Imp. 5.73	Phase: 3	Style No.
H. Volts: 22900 Δ	Type: STA	Form:	Cycles: 60	Cat. No.
L. Volts: 480 Δ	Gals Oil: 610	Pol:	N. P. No. 55165	Spec. No.
No. Taps 4 2½% Taps	Up ☐ Down ☑	YEAR BUILT:		
2400	Pocket Pri Sec	Top Pri Sec	Steel ☑	Cast ☐ Cast Lon Steel
23500	Sec Pri Sec	Oblong ☐	Straight ☑	Round ☐ Corregated ☐ Flat ☐
22900 = 100%		Ht. top of H. V.: 112		Tank & Fittings: 4500
22300		Ht. No. H. V. Bush: 100		C & C Wt.: 5750
21700		Dia.:	Wide: 82"	Oil Wt.: 4550
B.I. H.V. 150 L.V. 45		Deep: 70"		Total Wt.: 14860
		Oil Level Gauge ☒		Thermometer ☒
WATER IN OIL		Tap Changer:	External ☐	Internal ☐
L.V. BUSHING HAD BEEN		NEW USER:		
LEAKING CUSTOMER HAS		REBUILT USER:		
TRIED TO PATCH IT UP				
WELDED DOWN TOP		DEALER:		

REMARKS: UNIT CAME IN ON "A" POSITION
MAY HAVE TO STEAM OIL SAID DIRTY
47708 CAT. RATIO 100:1 TAP
A- 50.196 50.303 50.197
B- 48.961 48.968 48.960
C- 47.728 100% 47.735 47.726
D- 46.460 46.461 46.453
E- 45.191 45.199 45.190
L.G. 3 MEGGOHMS
H.G. 2 "
H.L. 3 "

10816794

TRANSFORMER TEST

Continuity	Lead Clearances ✓	Exciting Current At Volts	Core Loss At Volts
Oil N R	Oil Level ✓	500 Cycles At L Volts	High Pot. High To Grd. K. V.
Grd Terminals 1 2	Surge Tested	Radio Interference OK Polprity A S	Low To Grd K. V.
Oil Leaks no	Anti Siphon Joints	Impeadence Calculated At Volts	High To Low K.V.
Pri. Grd. Connected Y N	Sec. Grd. Connected Y N	Number Taps 4 What % 2½%	Up 2 Down 2

SECONDARY BREAKER		Position	% Tap	Connect	Pot Difference	T.T.R. Ratio	Calculated Ratio
Breaker No.		A	105	50.060	50.065	50.060	
Trip and Reset	Oil Temp °C	B	102.5	48.837	48.837	48.836	
Factory Trip Allowable	To Secs.	C	100%	47.657	47.657	47.656	
Factory Trip Current	At °C	D	97.5	46.457	46.457	46.456	
Shop Trip Current	At °C	E	95	45.258	45.258	45.257	
Shop Trip Time Right Side	Secs.	out	out	C Position	100% TAP		
Shop Trip Time Left Side	Secs.						

INSULATION POWER FACTOR		OIL TEST	INCOMING	OUTGOING
High to Grd.	I.P.F. M.F.	SHOT A	SHOT B	Color S-1
High to Low	I.P.F. M.F.	No. 1 K.V.	No. 1 K.V.	New No. Acid .05
Low to Grd.	I.P.F. M.F.	No. 2 K.V.	No. 2 K.V.	~~Old No.~~ P.P.M. 19
Megger High to Grd.	In Out	No. 3 K.V.	No. 3 K.V.	Power Factor
Megger Low to Grd	In Out	No. 4 K.V.	No. 4 K.V.	Oxidation % Time
Megger High to Low	In Out	No. 5 K.V.	No. 5 K.V.	Oxidation % Time
		TOTAL K.V.	TOTAL K.V.	Average K.V. 30-30-50

Fuse No.	Good Bad	GRD Clamps	OUT	Approved YES
Hangers	IN OUT	Pri. Bushing Good	OUT	Date Tested 8-18-88
Arrestors	IN OUT	Sec. Bushing Good	OUT	Tested
Paint	OUT	Sec. Breaker	IN OUT	By [illegible]

REMARKS: New oil Vacuum Filled

L-G 1000 [illegible]

H-G 1000 [illegible] 1000 Volt Scale

H-L 1200

OHMS 31°C 55°

M. 11. OHMS

H-1 H-2 2.3 [illegible] 2.300 X-1 X-2 1.030

H-2 H-3 2.380 X-2 X-3 1.025

H-1 H-3 2.321 X-1 X-3 1.030

SHOP

WARD TRANSFORMER CO., INC.

P.O. BOX 30009 • MT. HERMAN CHURCH ROAD
RALEIGH, N.C. 27622

PHONE: 919-787-3553
800-334-9600

FAX: 919-787-1683

ORDER SHEET

ORDER NO.	DATE SOLD	SALESMA
0003137227	07/13/88	25

CUSTOMER NO.	TERMS
007782	

SOLD TO
TEXAS GULF INC
PO BOX 48
AURORA, NORTH CAROLINA
27806

CUSTOMER P.O. NO. D98-13919
ATTENTION:
TELEPHONE NO.: 919-322-4111

SHIP TO
TEXAS GULF INC
PO BOX 48
AURORA, NORTH CAROLINA
27806

REFERENCE NO.:
ATTENTION:
TELEPHONE NO.: 919-322-4111

DATE REQUIRED: 07/27/88
F.O.B. PT. & FREIGHT:
SHIP VIA: UT/PF&ADD

ITEM NUMBER	QTY. ORD.	QTY. SHIP	DESCRIPTION	UNIT	[illegible]	[illegible]
93-2444	1	0	REPAIR OF 1-ITE TRANSFORMER, 1500KVA, 3PH, 60CY, CLASS OA, 5.73% IMP., 55/65 DEGREE C RISE, PRI: 22900 VOLTS DELTA W/ 2-2.5% TAPS ABOVE & BELOW, SEC: 480 VOLTS DELTA, 610 GALLONS OF OIL, 82"W X 70"D X 112"H, 14800 LBS. TOTAL WEIGHT. SER# 13613	EA		
			INCOMING FREIGHT			
			REPAIR CHARGES			
			OUTGOING FREIGHT			
			INSTRUCTIONS:			
			1) UNTANK THE CORE & COIL FOR INSPECTION AND NOTIFY RICHARD B. FOR FUTHER INSTRUCTIONS.			
			NOTE TO ACCOUNTING:			
			SEE RICHARD B. FOR BILLING COSTS.			

W/O # 07127.013

INSTRUCTIONS: