

NSV Energy LLC
35 Hickory Springs Industrial Drive
Canton GA 30115



Stock # T41

One (1) Unused VTC West Substation Transformer

5000 KVA, class ONAN 65 °C rise, 6250 kva FF, Copper wound , Type II mineral oil filled

Primary voltage: 13800 V delta Bil 95 kv side bushing with ATC

Secondary voltage 4160 GrdY/2402 , Bil 60 kv, side bushing with ATC

Taps: 14400-14145-13800-13455-13110

Impedance 5.65 % Serial number 445000A026W- WL487C

Manufactured 07/2009 , Made in Mexico

Core and coils 11,080

Tank & Fittings 10,850

Oil 7,150

Total weight 30,700 lbs



VTC WEST S.A. DE C.V.
CHIHUAHUA, CHIH. MEXICO
 A SUBSIDIARY OF VIRGINIA TRANSFORMER CORP., ROANOKE, VA, U.S.A.

LIQUID FILLED TRANSFORMER

SERIAL NUMBER: 445000A026W- WL487C

kVA: 5000*

CLASS: ONAN* 65°C RISE

HV: 13800 BIL: 95 kV WDG. MATERIAL: COPPER

LV: 4160 GrdY/2402 BIL: 60 kV WDG. MATERIAL: COPPER

PHASES: 3 FREQUENCY: 60 Hz LIQUID: TYPE II MINERAL OIL

IMPEDANCE: 5.65 % AT 5000 kVA MANUFACTURE MONTH/YEAR: 07/09

	VOLTS	AMPS @ 5000 kVA	POS
HV	14490	199	1
	14145	204	2
	13800	209	3
	13455	215	4
	13110	220	5
LV	4160	694	

VECTOR DIAGRAM

*TRANSFORMER DESIGNED TO SUPPLY 6250 KVA AND 262HV AMPS, 865 LV AMPS WHEN FUTURE FANS ARE ADDED.

APPROXIMATE WEIGHT kg (lbs)

CORE & COILS	TOTAL WEIGHT
TANK & FITTINGS	13925 (30700)
LIQUID m ³ (U.S. GALLONS) 3.61 (953)	UNTANKING WEIGHT
	5761 (12700)
	(HEAVIEST PIECE)

MAX. OPERATING PRESSURE 62 (9) kPa (lbf/in²) POSITIVE, 48 (7) kPa (lbf/in²) NEGATIVE.

TANK DESIGNED FOR 104 (15) kPa (lbf/in²) VACUUM FILLING. 25 °C LIQUID LEVEL TO TOP FLANGE OF MANHOLE 425 (16.75) mm (IN). LIQUID LEVEL CHANGES 17 (0.68) mm (IN) PER 10 °C CHANGE IN LIQUID TEMPERATURE. CONTAINS NO DETECTABLE LEVEL OF PCB (<2 PPM) AT THE TIME OF MANUFACTURE

CAUTION
 DE-ENERGIZE TRANSFORMER BEFORE CHANGING TAPS
 REFER TO INSTRUCTION MANUAL IF-4 BEFORE ENERGIZATION