



NOTE:

- 1) DENOTES CENTRE OF GRAVITY
- 2) DISCONNECT WTI C.T ON THE "C" PHASE BEFORE REMOVING THE COVER

HV Bushing Stem Detail		LV Bushing Stem Detail	
Bushing Type	ABB-GSA LF130123-BB	Bushing Type	ABB-GSA LF130052-BB
Stem Size	D=26 ; L=125	Stem Size	D=38 ; L=125
HV Neutral Bushing Stem Detail		HV,YN & LV Arrester Bracket Detail	
Bushing Type	ABB-GSA LF130073-BB		
Stem Size	D=26 ; L=125		

ITEM LIST	
ITEM No	DESCRIPTION
1	HV BUSHINGS ABB GSA LF130 123-BB
2	LV BUSHINGS ABB GSA LF130 052-BB
3	HV NEUTRAL BUSHINGS ABB GSA LF130 073-BB
4	COOLING RADIATOR
5	RADIATOR LIFTER
6	RADIATOR AIR RELEASE PLUG; 20 BSP
7	RADIATOR DRAIN PLUG; 20 BSP
8	RADIATOR VALVE; 80 BSP TYPE: SHENTON
9	CONSERVATOR
10	CONSERVATOR HANDHOLE
11	CONSERVATOR FILLER
12	CONSERVATOR DRAIN VALVE; 50 BSP
13	MAGNETIC OIL GAUGES; TYPE: CEDASPE 220EE
14	FEEDPIPE VALVE; 80 BSP TYPE: SHENTON
15	BUCHHOLZ RELAY (MAIN); 80 BSP TYPE: CEDASPE EE3
16	BUCHHOLZ RELAY GAS RELEASE COCK (TEST)
17	BREATHER (MAIN); GUARDIAN BREATHER TYPE: TX23
18	MARSHALLING BOX CONTAINING KIHLSROM (WTI) & EPT 202 (OTI & WTI)
19	THERMOMETER POCKET INCLUDING TEST
20	TRANSFORMER DRAIN VALVE; 50 BSP WITH MECHANICAL PROTECTION
21	TRANSFORMER FILTER VALVE; 50 BSP
22	ON LOAD TAPCHANGER MOTOR DRIVE REINHAUSEN TYPE: ED-S MR
23	TRANSFORMER EARTHING TERMINAL SUITABLE FOR 80x6 EARTHING STRAP
24	RATING AND DIAGRAM PLATE
25	CORE EARTH BUSHING AND LINK
26	ONLOAD TAPCHANGER TYPE: VRCIII 400 Y 72.5 B
27	TRANSFORMER LIFTING LUG
28	COVER LIFTING LUG
29	JACKING PADS
30	FLAT UNDERBASE
31	TANK STIFFENERS
32	INSPECTION COVERS
33	BUCHHOLZ RELAY (ON LOAD TAPCHANGER); TYPE: MR
34	GUARDIAN BREATHER (ON LOAD TAPCHANGER); TYPE :TX1
35	ON LOAD TAPCHANGER CONSERVATOR DRAIN VALVE; 25 BSP
36	VALVE LOCATION PLATE
37	PRESSURE RELIEF DEVICE; CEDASPE TYPE: VP150 NHP
38	C.T. TERMINALS BOX; TYPE: SM2-S
39	ON LOAD TAPCHANGER DRAIN VALVE; 25 BSP
40	HV SURGE ARRESTOR BRACKTES
41	LV & YN SURGE ARRESTOR BRACKETS
42	ON LOAD TAPCHANGER FEEDPIPE SHUT OFF VALVE; 25 BSP (DOUBLE FLANGE)
43	BEVEL GEAR LEVER
44	-
45	-

APPROVED:
C.CLARK
2008/07/31

APPROXIMATE MASSES		
CORE AND WINDINGS		18 500 kg
TRANSFORMER OIL	12 177 l	10 716 kg
RADIATOR OIL	4 127 l	3 632 kg
ON LOAD TAPCHANGER OIL	150 l	132 kg
MAIN TANK AND FITTINGS		7 776 kg
RADIATORS		7 744 kg
ON LOAD TAPCHANGER		298 kg
TOTAL MASS		48 798 kg

TRANSPORT DIMENSIONS	
LENGTH	5 160 mm
WIDTH	1 930 mm
HEIGHT	4 140 mm
MASS	36 500 kg

ALSTOM POWER TRANSFORMERS		MURRAY ROAD WADEVILLE GERMISTON RSA	
		CUSTOMER: SER No:	
This design and information is our intellectual property. It may not be copied nor used for manufacture in any way nor be communicated to third parties without our written permission.		TITLE : OUTLINE AND GENERAL ARRANGEMENT OF 20 MVA 88/22 kV YNd1 CONNECTED ONAN COOLED 50 Hz 3 PHASE TRANSFORMER.	
PROJECTION 	DRAWN DVM	DATE 19-06-08	SCALE N.T.S.
		CHKD A.D'ARCH	DRAWING No 10/5770 B

1	19-06-08	DVM	A.D'ARCH	ORIGINAL ISSUE.
ISS	DATE	INT	APPROV	DESCRIPTION