

ANNEXURE-A

ANNUAL OVERHAULING (AOH) Replacement kit(4300007100/10) for Single bottle VCB Of M/s AAL Type BVAC 25.10				
SN	Description	Part No.	unit	Qty/ Breaker
1.0	PRESSURE REGULATOR KIT	SG-300140-R 0001		1
1.1	Filter Element (40µm)	4300014000	Nos.	1
1.2	'O' Ring	69.211.215	Nos.	1
2.0	Ring Type Joint	HSBA432577P0001	Nos.	1
3.0	KIT OF O-RING FOR LATERAL COVER	SG300141R 0001		1
3.1	O-Ring	HSBA432579P0001	Nos.	2
3.2	Anti Breaking screw M6X20	SG300120 P0001	Nos.	8
3.3	Elastic washer (ø 6.1)	9AVA 330-11	Nos.	8
4.0	Flat Gasket	HSBA432551P0002	Nos.	1
5.0	'O' ring for fixing pressure regulator assembly to reservoir	HSBA432095 P0026	Nos.	1

INTERMEDIATE OVERHAULING (IOH) Replacement kit(4300007100/11) for Single bottle VCB Of M/s AAL Type BVAC 25.10				
SN	Description	Part No.	unit	Qty/ Breaker
1.0	AOH Kit	4300007100/10		1
2.0	PRESSURE SWITCH KIT	SG-300146 R0001		1
2.1	Pressure Switch	HSBA432553 P0001	Nos.	1
2.2	Union Bend 90°	SG-300067 P0001	Nos.	1
3.0	MOLECULAR SIEVES IN KG	4320010700	Kgs.	4
4.0	O-RING	HSBA432095 P0025	Nos.	1
5.0	O-RING	HSBA432095 P0028	Nos.	1
6.0	O-RING	HSBA432095 P0027	Nos.	1
7.0	O-RING	HSBA432095 P0026	Nos.	1
8.0	ELASTIC WASHER (ø 8.2)	9AVA 330-4	Nos.	4
9.0	ELASTIC WASHER (M8)	9AVA 330-12	Nos.	4
10.0	Elastic washer (ø 4.1)	9AVA 330-100	Nos.	8
11.0	ELASTIC WASHER (M12)	9AVA330-6	Nos.	4
12.0	Thrust Pur	4306316500	Nos.	1
13.0	Shock Absorber Plate	4306316400	Nos.	1
14.0	Tank Flat Gasket	HSBA432550P0001	Nos.	2
15.0	Driving Plate for Toggle Joint	4302221255	Nos.	1
16.0	Shouldered Pin	4301120877	Nos.	1
17.0	Washer Dia 6.48.	1821.317/10	Nos.	1
18.0	Spilt Pin	PINSX000002	Nos.	1
19.0	SET OF O- RING FOR SOLENOID VALVE Consisting of:	4300019100	SET	1
19.1	O-Ring	HSBA432095P0027	Nos.	1
19.2	O-Ring	HSBA432095P0026	Nos.	1
19.3	O-Ring (Set of 5 Nos.)	4300019700	Set	1

20.0	Pin for Toggle Joint	HSBA432427P0001	Nos.	2
21.0	Fastener for Aux. contact spring	HSBA433889P0002	Nos.	2
22.0	O-Ring	HSBA432095P0020	Nos.	2
23.0	Socket Head Plug(Cap Male)	HSBA432531P0001	Nos.	1

PERIODIC OVERHAULING (POH) Replacement kit(4300007100/12) for Single bottle VCB Of M/s AAL Type BVAC 25.10				
Sl.N o.	Description	Part No.	Unit	Qty/ Breaker
1.0	IOH KIT	4300007100/11	set	1
2.0	Valve Cone	4300018900	Nos.	1
3.0	Diaphragm assembly	4300019000	Nos.	1
4.0	AUXILIARY SWITCH COMPLETE NO type	SG-300138R0001	Nos.	1
5.0	AUXILIARY SWITCH COMPLETE NC type	SG300139 R0001	Nos.	1
6.0	O-RING	HSBA432095P0027	Nos.	1
7.0	Auxiliary Drive Screw	HSBA433491 P0001	Nos.	2
8.0	O-RING (sealing)	HSBA432580 P0002	Nos.	1
9.0	ELASTIC WASHER ø 12.4	9AVA330-6	Nos.	14
10.0	ELASTIC WASHER ø 8.2	9AVA330-12	Nos.	18
11.0	ELASTIC WASHER ø 8.2	9AVA330-4	Nos.	4
12.0	Spring washer ø 8.2	NB335805 P0511	Nos.	2
13.0	Lock Nut M4	9ADA 299-2	Nos.	4
14.0	Elastic Washer ø 4.1	9AVA 330-100	Nos.	10
15.0	Flange Screw M5 X 12	HSBA433531 P0002	Nos.	2
16.0	Packing Ring(RING BS)	SG300073 P0002	Nos.	1
17.0	O-RING	HSBA432095 P0020	Nos.	2
18.0	O-RING	HSBA432095 P0026	Nos.	1
19.0	O-RING	HSBA432580 P0001	Nos.	1
20.0	O-RING	HSBA432579 P0002	Nos.	1
21.0	Lock Nut M6	9ADA 299-4	Nos.	4
22.0	Socket Head Plug(Cap Male)	HSBA432531P0001	Nos.	2
23.0	Packing Ring(RING BS)	SG300073 P0003	Nos.	1
24.0	Tension Spring	HSBA433308P0001	Nos.	2
25.0	Compression spring	HSBA432463P0001	Nos.	1

Note :- Lubricant and Consumables required during overhauling may be procured on need base separately as per para 6.4 (page no.123) of Operation & Maintenance Manual no. MM-VCB-02/E, March- 2012 issued by M/s AAL.

ANNEXURE A-1

ANNUAL OVERHAULING (AOH) Replacement kit (4300007100/30) for Single Bottle VCB of M/s AAL Type VCBA 25.10 Tr				
SN	Descriptions	Part No.	Unit	Qty./ Breaker
1.	PRESSURE REGULATOR KIT	SG-300140-R 0001	Set	1
1.1	Filter Element (40um)	4300014000	Nos	01.
1.2	“O” Ring	69.211.215	Nos	01
2.	Ring Type Joint	HSBA432577P0001	Nos	01
3.	Kit for side cover LHS & RHS	4300007100/23	Set	01
3.1	‘O’ Ring	4306057477	Nos.	02
3.2	Anit Breaking Screw M6x20	SG300120P0001	Nos.	08
3.3	Elastic Washer M6	9AVA330-11	Nos.	08
4.	Packing Ring	SG300073P0002	Nos.	01
5.	‘O’ ring for fixing pressure regulator assembly to reservoir	HSBA432095P0026	Nos.	01

Note: Lubricant and consumables (Part No. 4300007100/29) required during overhauling may be procured on need base separately as per para 6.4 (page no.123) of Operation & Maintenance Manual no. MM-VCB-02/E, March- 2012 issued by M/s AAL.

INTERMEDIATE OVERHAULING (IOH) Replacement kit (4300007100/32) for Single Bottle VCB of M/s AAL Type VCBA 25.10 Tr				
SN	Descriptions	Part No.	Unit	Qty./ Breaker
1	AOH KIT	4300007100/10	Set	01
2.	Kit of Pressure Switch (assembled)	SG300146R0001	Nos.	1 .
2.1	Pressure Switch	HSBA432553P0001	Nos.	01
2.2	Male Stud Elbow Assy	SG300067P0001	Nos.	01
3.	Molecular Sieves	4320010700	Kgs.	4
4.	Pl Cu Washer dia 10	WASHR000008	Nos.	1
5.	Elastic Washer	9AVA330-12	Nos.	04
6.	O-Ring	HSBA432095P0026	Nos.	1 .
7.	O-Ring	4306057177	Nos.	1
8.	O-Ring	4306057277	Nos.	1
9.	O-Ring	4306057577	Nos.	1
10	HT Spring washer M6	NB335805P0509	Nos.	2
11.	HT Spring Washer M8	NB335805P0511	Nos.	2
12.	Spring Washer M10	NB335805P0512	Nos.	4
13.	Socket Head Plug	HSBA432531P0001	Nos.	3
14.	Elastic Washer M12	9AVA330-6	Nos.	8

15.	Elastic Washer M6	9AVA330-11	Nos.	8
16.	Elastic Washer dia 8.2	9AVA330-4	Nos.	4
17.	O-Ring	HSBA432095P0020	Nos.	2 .
18.	Auxiliary Switch Maintenance kit	4300007100/26	Nos.	01
	Each set consists of:			
18.1	Auxiliary Switch	4309056199	Nos.	01.
18.2	Elastic Washer	9AVA330-11	Nos.	12
18.3	Allen Hd Screw	9ADA187-25	Nos.	08
18.4	Hex Nut	9ADA271-3	Nos.	04
19	KIT OF EP VALVE OF AAL Make(See Note 2 for Rotex make EP valve) *	4300007100/35	set	01 SET
	Each set consists of:			
19.1	O-Ring	4306063499-01	Nos.	01
19.2	O-Ring	4306063499-02	Nos.	01
19.3	O-Ring	4306063499-03	Nos.	01
19.4	O-Ring	4306063499-04	Nos.	01
19.5	O-Ring	4306063499-11	Nos.	01
19.6	PZ Seal	4306063499-12	Nos.	01
19.7	HT Spring Washer	NB335805P0508	Nos.	16
19.8	Washer S.S	NB335050P0606	Nos.	01
19.9	O-Ring	4306063499-05	Nos.	01
19.10	O-Ring	4306063499-06	Nos.	02
19.11	O-Ring	4306063499-08	Nos.	01
19.12	O-Ring	4306063499-09	Nos.	01
19.13	O-Ring	4306063499-10	Nos.	01
19.14	PZ Seal	4306063499-13	Nos.	01
19.15	O-Ring	HSBA432095P0026	Nos.	01
19.16	HT Spring Washer	NB335805P0511	Nos.	08
19.17	O-Ring	4306057577	Nos.	01
19.18	Elastic Washer	9AVA330-11	Nos.	04
19.19	Pilot Control Assembly AAL Valve	4300005400/31	Nos.	01
20.	Shock Absorber Plate	4306054477	Nos.	01

Note 1: Lubricant and consumables (Part No. 4300007100/29) required during overhauling may be procured on need base separately as per para 6.4 (page no.123) of Operation & Maintenance Manual no. MM-VCB-02/E, March- 2012 issued by M/s AAL.

***Note2: EP valve of M/s Rotex provided in AAL make modified VCBs type VCBA 25.10Tr shall be maintained as per replacement kits issued vide RDSO's letter no. EL/3.2.61/3 dated 18.12.2012.**

PERIODIC OVERHAULING (POH)				
Replacement kit(4300007100/33) for Single bottle VCB Of M/s AAL Type VCBA 25.10 Tr				
SN	Descriptions	Part No.	Unit	Qty./ Breaker
1.	IOH KIT (without Filter Element (40um) part No. 4300014000 & "O" Ring part	4300007100/32	Set.	01

	No. 69.211.215)			
2	Elastic Washer	9AVA330-6	Nos.	14.
3	Elastic Washer	9AVA330-11	Nos.	12
4	Elastic Washer	9AVA330-12	Nos.	10
5	O-Ring	HSBA432579P0002	Nos.	01
6	O-Ring	HSBA432580P0001	Nos.	01
7	O-Ring	HSBA432580P0002	Nos.	01
8	HT Spring Washer	NB335805P0507	Nos.	08
9	HT Spring Washer	NB335805P0511	Nos.	02
10	Piston Seal	4306055677	Nos.	01
11	Auxiliary Cam	4302254955	Nos.	01
12	Cam Spacer	4305151677	Nos.	02
13	Couping Rod	4301151977	Nos.	01
14	Bracket Pin	4301154199	Nos.	01
15	Driving Plate Pin	4301154299	Nos.	01
16	O-Ring	4306057377	Nos.	01
17	Operating Rod Assembled	4300004800	Nos.	01
18	Compression Spring	4301556088	Nos.	02
19	Washer	HSBA432539P0001	Nos.	08
20	Needle Bearing	HSBA432623P0001	Nos.	04
21	Wedge Washer	HSBA433389P0001	Nos.	02
22	Wedge Washer	HSBA433389P0002	Nos.	02.
23	Wedge Washer	HSBA433389P0003	Nos.	02
24	O-Ring	HSBA432095P0024	Nos.	02
25	O-Ring	HSBA432095P0025	Nos.	02
26	Elastic Washer	9AVA330-4	Nos.	04
27	Retaining Ring	9ABA135-10	Nos.	04
28	Split Pin	PINSX000002	Nos.	02.
29	Retaining Ring	CRCLP000005	Nos.	02
30	Stand Pipe Assy	SG300066P0001	Nos.	01
31	Hex Nut	SG300070P0001	Nos.	01
32	Lock Nut	9ADA299-6	Nos.	02
33	Pressure Regulator	HSBA433890P0001	Nos.	01
34	Ring BS	SG300073P0003	Nos.	01
35	Compression Spring	4301562877	Nos.	01
36	Compression Spring	4301560677	Nos.	01

Note 1: Lubricant and consumables (Part No. 4300007100/29) required during overhauling may be procured on need base separately as per para 6.4 (page no.123) of Operation & Maintenance Manual no. MM-VCB-02/E, March- 2012 issued by M/s AAL.

Annexure-B

ANNUAL OVERHAULING (AOH KIT) Replacement kit for single bottle VCB of M/s. BTIL TYPE BVAC 25.10, OLDER-SECHERON AOH kit No. 3EYC-600280-R1 (Part No. VAOH) consists of 05 Items.				
Sr.No.	DESCRIPTION	PART NO.	DRAWING NO.	QTY./VCB
1.0	PRESSURE REGULATOR KIT	VAK.1	SG-300140-R1	----
1.1	O-RING	80.16.2	3EYC-400148-P1	1 No.
1.2	FILTER ELEMENT	80.16.1	3EYC-400147-P1	1 No.
2.0	KIT OF 'O' RING FOR LATERAL COVER	VAK.2	SG-300141-R1	----
2.1	O-RING 140X4 (Lateral Cover Side)	290	HSBA-432579-P1	2 Nos.
2.2	ANTI BREAKING SCREW M6X20	1300	SG-300120-P1	8 Nos.
2.3	ELASTIC WASHER 6.1/12.2x1.2	330.15/310.13	9AVA-330-11	8 Nos.
3.0	PACKING RING 17.28 / 23.8 X 1.8 (For Regulator with filter)	80.15	SG-300073-P2	2 Nos.
4.0	RING TYPE JOINT (O-Ring) 12 X 2250 (Base plate)	10.3	HSBA-432577-P1	1 No.
5.0	FLAT GASKET	141	HSBA-432551-P2	1 No.

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INTERMEDIATE OVERHAULING (IOH) Replacement kit for single bottle VCB of M/s. BTIL TYPE BVAC 25.10, OLDER-SECHERON IOH kit No. 3EYC - 600281- R1 (Part No. VIOH) consists of 22 Items.				
Sr.No .	DESCRIPTION	PART NO.	DRAWING NO.	QTY./VCB
1.0	AOH KIT	VAOH	3EYC-600280-R1	1 set
2.0	DRIVING PLATE (Toggle Mechanism)	40.4	HSBA-331410-P1	1 No.
3.0	SHOCK ABSORBER PLATE (Toggle Mechanism)	40.13	HSBA-432426-P1	1 No.
4.0	‘O’ RING 17.86 X 2.62 (Pipe side)	90	HSBA-432095-P26	1 No.
5.0	‘O’ RING 20.24x2.62 (Solenoid valve side)	110	HSBA-432095-P27	1 No.

6.0	ELASTIC WASHER 8.2/16.2x1.4	1085/330.12/260.16	9AVA-330-12	7 + 2 + 7 = 16 Nos.
7.0	MOLECULAR SIEVES IN KG (For Air Drier)	4001.3.1	3EYC-400100-P18	4.0 kg. (Approx)
8.0	CAP G 3/8' (Air Tank Assembly)	80.24	HSBA-432531-P1	1 No.
9.0	ELASTIC WASHER 12.4/27.2 X 1.8 (H.T. CONNECTION)	260.19	9AVA-330-6	2 Nos.
10.0	SPARE KIT OF SOLENOID VALVE (Model : 3270B-16-4G)	VIOH.3	3EYC-400263-R1	1 Set (Consists of 10 Items)
10.1	Body O-Ring (Position No. 20)	----	----	2 Nos.
10.2	Seat O-Ring (Position No. 19)	----	----	2 Nos.
10.3	Kolben O-Ring (Position No. 18)	----	----	1 No.
10.4	Inlet O-Ring	----	----	1 No.
10.5	Outlet O-Ring	----	----	1 No.
10.6	Ventil Teller (Position No. 07)	----	----	1 No.
10.7	Ventil Schaft (Position No. 05)	----	----	1 No.
10.8	Kolben (Position No. 04)	----	----	1 No.
10.9	Anker Assembly (Position No. 30)	----	----	1 No.
10.10	Guide Assembly (Position No. 33)	----	----	1 No.
11.0	H.V.SPRING RING A8 - Washer (For Solenoid Valve)	1121	NB-335805-P511	2 Nos.
12.0	ELASTIC WASHER 8.2/18.2x1.4 (For Air tank)	1084	9AVA-330-4	4 Nos.
13.0	ELASTIC WASHER 6.1 (For CMDE)	1162	9AVA-330-11	2 Nos.
14.0	PRESSURE SWITCH KIT	VIOH.4	SG-300146-R1	1 No.
14.1	TAPPER STUD WITH ELBOW COUPLING	80.8	SG-300067-R1	1 No.
14.2	PRESSURE CONTROLLER	80.9	HSBA-432553-P1	1 No.
15.0	SUPPORTING PIN	40.11	3EYC-400222-P1	1 No.
16.0	RUBBER STOP (Thrust Pur)	40.15	SG-300157-P1	1 No.
17.0	SPLIT PIN A 3.2 x 15	40.104	MT-430405-P2309	1 No.
18.0	O RING (Air flow regulator)	131	HSBA-432095-P25	1 No.
19.0	O RING (Air flow regulator)	132	HSBA-432095-P28	1 No.
20.0	Fastner for auxiliary contact	204	HSBA-433889-P2	2 Nos.
21.0	O-Ring	80.19	HSBA-432095-P20	2 Nos.
22.0	TANKS FLAT GASKET	80.22	HSBA-432550-P1	2 Nos.

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PERIODIC OVERHAULING (POH)
Replacement kit for single bottle VCB of M/s. BTIL
TYPE BVAC 25.10, OLDER-SECHERON
POH kit No. 3EYC-600282-R1 (Part No. VPOH) consists of 25 Items.

Sr.No	DESCRIPTION	PART NO.	DRAWING NO.	QTY./VC B
1.0	IOH KIT	VIOH	3EYC - 600281- R1	1 set
2.0	AUXILIARY CONTACT KIT (NO TYPE)		SG-300138-R1	1
2.1	Auxiliary Contact BA19(5NO)	210	SG-300016-R1	1
2.2	Pusher	203	HSBA-433315-P1	1
2.3	Elastic Washer Dia 4.1	1211	9AVA 330-100	2
2.4	Hex Screw M 4x30	1210	3EYC-400126-P9	2
2.5	Lock Nut M4	1201	9ADA 299-2	2
3.0	AUXILIARY CONTACT KIT (NC TYPE)		SG-300139-R1	1
3.1	Auxiliary Contact BA24 (5NC)	211	SG-300016-R2	1
3.2	Pusher	203	HSBA-433315-P1	1
3.3	Elastic Washer Dia 4.1	1211	9AVA-330-100	4
3.4	Hex Screw M 4x30	1210	3EYC-400126-P9	2
3.5	Lock Nut M4	1201	9ADA 299-2	2
4.0	Diaphragm assembly for pressure regulator	80.16.3		1
5.0	Valve cone for pressure regulator	80.16.4		1
6.0	Drive Screw	202	HSBA-433491-P1	2
7.0	NYLOC NUT M6	40.101	9ADA-299-4	4
8.0	Lock nut M4	40.102	9ADA-299-2	2
9.0	CAP G 3/8	320	HSBA-432531-P1	2
10.0	ELASTIC WASHER DIA 12.4	1011/160.19/ 260.12/1011	9AVA-330-6	12
11.0	ELASTIC WASHER DIA 6.1	40.103	9AVA-330-11	8
12.0	ELASTIC WASHER 8.2/16.2x1.4	10.11	9AVA-330- 12	6
13.0	Elastic Washer M4	1211	9AVA 330-100	18
14.0	Spring washer	260.14	NB-335805-P511	2
15.0	Flange screw M5X12	1230	HSBA-433531-P2	2
16.0	PACKING RING	80.26	SG-300073-P3	1
17.0	PACKING RING	80.110	SG-300073-P2	1
18.0	O-RING	PIPE SIDE	HSBA-432095-P27	1
19.0	O-RING	110	HSBA-432095-P26	1
20.0	‘O’ RING 110 X 4 (Rear Flange Side)	260.9	HSBA-432579-P2	1
21.0	‘O’ RING 189.87 X 5.34 (In between Horizontal Insulator & Gear head)	260.6	HSBA-432580-P1	1
22.0	O' Ring (In between C Vertical Insulator & Gear Head)	261	HSBA-432580-P2	1
23.0	‘O’ ring	80.19	HSBA-432095-P20	2
24.0	TENSION SPRING	205	HSBA-433308-P1	2
25.0	Compression Spring	250	HSBA-432463-P1	1

Note :- Lubricant and Consumables required during overhauling may be procured on need base separately as per para 5.1 (page no.113 to 115) of Product Manual No. 3EYC600303, Rev. Nil issued in Sept, 2010 by M/s BTIL.

Annexure-B1

ANNUAL OVERHAULING (AOH) Replacement kit for single bottle VCB of M/s. BTIL TYPE BVAC 25.10 M07 (NEW) AOH kit No. 3EYC-400260-R1 (Part No. VAOH) consists of 06 Items.				
Sr.No	DESCRIPTION	PART NO.	DRAWING NO.	QTY./VC B
1.0	PRESSURE REGULATOR KIT	VAK.1	SG-300140-R1	----
1.1	O-RING	530.20.09	3EYC-400148-P1	1 No.
1.2	FILTER ELEMENT	530.20.10	3EYC-400147-P1	1 No.
2.0	KIT OF 'O' RING FOR LATERAL COVER	VAK.2	SG-300141-R1	----
2.1	O-RING 140X4 (Lateral Cover Side)	410	HSBA-432579-P1	2 Nos.
2.2	ANTI BREAKING SCREW M6X20	1150	SG-300120-P1	8 Nos.
2.3	ELASTIC WASHER 6.1/12.2x1.2	440.15/430.13	9AVA-330-11	8 Nos.
3.0	Cu. GASKET DIA. 11 / 17 x 1 (For Inlet Air Connector Assembly)	50.12	MT-430152-P19	1 No.
4.0	Cu. GASKET DIA. 14 / 20 x 1 (For Inlet Air Connector Assembly)	50.13	MT-430152-P23	2 Nos.
5.0	PACKING RING 17.28 / 23.8 X 1.8 (For Inlet Air Connector Assembly & Air Tank Assembly - Pressure Regulator)	50.5 / 530.105	SG-300073-P2	1 + 3 = 4 Nos.
6.0	RING TYPE JOINT (O-Ring) 12 X 2250 (Base plate)	10.30	HSBA-432577-P1	1 No.

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INTERMEDIATE OVERHAULING (IOH) Replacement kit for single bottle VCB of M/s. BTIL TYPE BVAC 25.10 M07 (NEW) IOH kit No. 3EYC - 400261- R1 (Part No. VIOH) consists of 14 Items.				
Sr.No	DESCRIPTION	PART NO.	DRAWING NO.	QTY./VC B
1.0	AOH KIT	VAOH	3EYC-400260-R1	1 Set.
2.0	DRIVING PLATE (Toggle Mechanism)	40.30	SG-310021-P2	1 No.

3.0	SHOCK ABSORBER PLATE (Toggle Mechanism)	40.20	SG-310020-P1	1 No.
4.0	PISTON SEGMENT (Piston Ring)	110	SG-310079-P1	1 No.
5.0	‘O’ RING 17.86 X 2.62 (Pipe side)	331	HSBA-432095-P26	1 No.
6.0	‘O’ RING 20.24x2.62 (Solenoid valve side)	----	HSBA-432095-P27	1 No.
7.0	ELASTIC WASHER 8.2/ 16.2x1.4	1071/440.12/540.10 21	9AVA-330-12	7 + 2 + 7 = 16 Nos.
8.0	MOLECULAR SIEVES IN KG (For Air Drier)	1300.2.7	3EYC-400100-P18	4.0 kg. (Approx)
9.0	CAP G 3/8' (Air Tank Assembly)	530.90	HSBA-432531-P1	1 No.
10.0	ELASTIC WASHER 12.4/27.2 X 1.8 (H.T. CONNECTION)	540.1002	9AVA-330-6	2 Nos.
11.0	SPARE KIT OF SOLENOID VALVE (Model : 3270B-16-4G)	VIOH.1	3EYC-400263-R1	1 Set (Consists of 10 Items)
11.1	Body O-Ring (Position No. 20)	----	----	2 Nos.
11.2	Seat O-Ring (Position No. 19)	----	----	2 Nos.
11.3	Kolben O-Ring (Position No. 18)	----	----	1 No.
11.4	Inlet O-Ring (Position No. ---)	----	----	1 No.
11.5	Outlet O-Ring (Position No. ---)	----	----	1 No.
11.6	Ventil Teller (Position No. 07)	----	----	1 No.
11.7	Ventil Schaft (Position No. 05)	----	----	1 No.
11.8	Kolben (Position No. 04)	----	----	1 No.
11.9	Anker Assembly (Position No. 30)	----	----	1 No.
11.10	Guide Assembly (Position No. 33)	----	----	1 No.
12.0	H.V.SPRING RING A8 - Washer (For Solenoid Valve)	1081	NB-335805-P511	2 Nos.
13.0	ELASTIC WASHER 8.2/ 18.2x1.4 (For CMDE mounting & Air tank)	1160	9AVA-330-4	8 Nos.
14.0	Aux.Switch Assembly (9 Pole)	510	3EYC-300062-R1	1 No.

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PERIODIC OVERHAULING (POH) Replacement kit for single bottle VCB of M/s. BTIL TYPE BVAC 25.10 M07 (NEW) POH kit No. 3EYC-400262-R1 (Part No. VPOH) consists of 20 Items.				
Sr.No	DESCRIPTION	PART NO.	DRAWING NO.	QTY./VCB
1.0	IOH KIT (without Filter Element (40um) part No. 530.20.10 & “O” Ring part No. 530.20.09)	VIOH	3EYC - 400261- R1	1 Set.
2.0	REGULATOR WITH FILTER	530.20	HSBA-433890-R1	1 No.

3.0	ELASTIC WASHER 12.4/27.2 X 1.8	540.1002/1011/	9AVA-330-6	6 + 4 = 10 Nos.
4.0	‘O’ RING 189.87 X 5.34 (In between Horizontal Insulator & Gear head)	540.60	HSBA-432580-P1	1 No.
5.0	‘O’ RING 110 X 4 (Rear Flange Side)	540.90	HSBA-432579-P2	1 No.
6.0	O' Ring (In between C Vertical Insulator & Gear Head)	----	HSBA-432580-P2	1 No.
7.0	H.V.SPRING RING A8 - Washer (Rear Flange to Nut M36)	540.1011	NB-335805-P511	2 Nos.
8.0	SPRING RING A6 (Toggle Mechanism)	40.1000	NB-335805-P509	8 Nos.
9.0	PLAIN WASHER 6.4 / 13 X 0.5 (Toggle Mechanism)	40.1032	MT-430445-P6018	8 Nos.
10.0	AUXILIARY SWITCH CAM KIT	VPOH.2	3EYC-400268-R1	----
10.1	AUXILIARY SWITCH CAM	40.1034	3EYC-300058-P1	1 No.
10.2	ROLL PIN 4 X 16	40.1020	NBT-200021-P0532	1 No.
10.3	SPRING RING A5	40.1030	NB-335805-P508	2 Nos.
10.4	FILLISTER HD. SCREW M5 X 25	40.1031	9ADA-187-16	2 Nos.
10.5	PLAIN WASHER 5.3/ 10 X 0.5	40.1033	MT-430445-P6015	2 Nos.
11.0	Roll PIN 3 X 12	1180	MT-430189-P210	2 Nos.
12.0	Lock nut M6 (Toggle Mechanism)	40.1011	9ADA-299-4	8 Nos.
13.0	ELASTIC WASHER 8.2/18.2x1.4 (For CMDE mounting & Air tank)	1160	9AVA-330-4	8 Nos.
14.0	Compression Spring	70	HSBA-432463-P1	1 No.
15.0	External circlip A12 (VST assembly)	540.20.60.6	MT-430201-P12	2 Nos.
16.0	Needle bearing dia.12/24X13(VST assembly)	190 / 540.20.60.5	HSBA-432623-P1	2 + 2 = 4 Nos.
17.0	Washer dia. 12.2/22X2.5 (VST assembly)	180 / 540.20.60.4	HSBA-432539-P1	4 + 4 = 8 Nos.
18.0	Coupling rod with thread M10 (VST assembly)	160	SG-300125-P1	1 No.
19.0	Distance Piece (VST assembly)	170	HSBA-432445-P1	2 Nos.
20.0	Lock nut M10 (VST assembly)	1050	9ADA-299-6	2 Nos.

Note :- Lubricant and Consumables required during overhauling may be procured on need base separately as per para 5.1 (page no.113 to 115) of Product Manual No. 3EYC600303, Rev. Nil issued in Sept, 2010 by M/s BTIL.

Annexure-C

ANNUAL OVERHAULING (AOH) Replacement Kit For Single Bottle VCB Of M/s Schneider Electric Type 22CB				
Sl. No	Title / Description	Part Number	Drawing Number	Qty./ VCB
1.	AOH replacement kit consisting of :	5510740	--	
	a- 'O' Ring for magnet valve assembly	5260700	LSC : 58/5	3
	b- 'O' Ring for magnet valve assembly	5260800	LSC : 58/6	2
	c- Valve (fluted) for magnet valve	5260600	LSC : 127	2
	d- 'O' Ring for Relay valve and reducer	5570080	LSC : 612 / 4	2
	e- 'O' Ring for relay valve assembly	5570090	LSC : 612 / 2	1
	f- 'O' Ring for relay valve assembly	5570100	LSC : 612 / 1	1
	g- 'O' Ring for relay valve assembly	5570110	LSC : 612 / 5	1
	h- PTFE valve discs for relay valve	5150020	LSC : 99	2
	i- Special washer for main Piston	5540060	LSC : 554	1
	j- Sealing washer for bottom cover	5510163	LSC : 612 / 6	8
	k- Retaining Ring for bottom cover	5510164	LSC : 678	8
	l- Repair kit for air filter consisting of one O-ring, two Gaskets and one Stud.	5110600		1 kit
	m- Repair kit for pressure regulator consisting of one no. each, diaphragm assembly, slip ring, valve, valve seat, gasket seat & valve spring.	5510730	-	1 kit
	n- Washer for Banjo Coupling	5510980	-	8
	o- PVC Channel for Gimota conn. Plate	5290040	LSD:205	0.3 m

INTERMEDIATE OVERHAULING (IOH) Replacement Kit For Single Bottle VCB Of M/s Schneider Electric Type 22CB				
Sl. No	Title / Description	Part Number	Drawing Number	Qty./ VCB
1.	IOH replacement kit consisting of :	5510750	--	
	a- AOH replacement kit	5510740	-	1 kit
	b- Grommet for base plate	5380650	LSD:238	1
	c- O ring (between flanges)	5510390	LSC: 612/3	1
	d- Selon washer (for plug of cylinder)	5510450	-	1
	e- Gasket for base plate	5510810	LSC:702	1
	f- Sealing strip for bottom cover	5510162	-	2.3 mt.
	g- Damper assembly for cylinder	5540030	LSC:549	1
	h- Piston seal ring for relay valve piston	5570050	LSC: 612/7	1
	i- Piston seal ring for main piston	5540023	LSC: 612/8	1
	j- Filter element	5510490	-	1
	k- Molecular sieves for Air Dryer	5390090	-	4 Kg
	L- Surge suppressor for magnet valve assembly	5350100	LSC: 169	1
	m- Poppet Valve for Relay Valve	5150010	LSC:101	1
	n- Auxiliary contact unit (8-way)	5203400	LSC: 286/A	1
PERIODIC OVERHAULING (POH) Replacement Kit For Single Bottle VCB Of M/s Schneider Electric Type 22CB				
Sl. No	Title / Description	Part Number	Drawing Number	Qty./ VCB
1.	POH replacement kit consisting of :	5510760	--	
	a- IOH replacement kit	5510750	-	1 kit
	b- Belleville washer M6	5520200	-	6
	c- Compression springs for Magnet valve assembly.	5260900	LSD: 128	2
	d- Compression spring for relay valve assembly	5150090	LSC: 186	1
	e- Compression spring for vacuum interrupter mechanism	5520130	LSC: 525	6
	f- Compressor spring for vacuum interrupter mechanism	5520180	LSC: 528	6
	g- Rod end Bearings	5510310	-	2

Note :- Lubricant and Consumables required during overhauling may be procured on need base separately as per para 9.6 (page no.74) of Installation , operation and maintenance Manual issued in May, 2010 by M/s Areva(now M/s Schneider).

Annexure-D

<u>ANNUL OVERHAULING (AOH)</u> <u>Replacement Kit For Single Bottle VCB of M/s BIECCO LAWRIE LTD.</u> <u>Type: TVCB</u>				
<u>SL NO</u>	<u>DESCRIPTION</u>	<u>CODE NO</u>	<u>DRAWING NO</u>	<u>QTY/VCB</u>
1.0	AOH replacement kit consisting of:	070910	-----	1
1.1	Diaphragm Assembly of Pressure Regulator	D0063181	-----	1
1.2	Spring for Air valve	070090A4	070090	1
1.3	Sealing Ring for Air valve (Id-39.34mm)	070097G07	070097	2
1.4	Sealing Ring for Air Valve (Id-56.82mm)	070097G06	070097	1
1.5	Sealing Ring for Air valve (Id-31.34mm)	070097G03	070097	1
1.6	Sealing Ring for Air valve (Id-7.66mm)	070097G04	070097	1
1.70	Piston Ring	070079G01	070079	1
1.80	Rubber Buffer Washer	LM057	LM057	1
1.90	Air Filter	Z0040181	-----	1
1.10	kit for solenoid valve Assembly	90000S85	-----	1 SET.
1.11	Control valve (Rev:01)	070100A401	700100	1
1.12	Sealing Washer (Rev:01)	070089A401	70089	2
<u>INTERMEDIATE OVERHAULING (IOH)</u> <u>Replacement Kit For Single Bottle VCB of M/s BIECCO LAWRIE LTD.</u> <u>Type: TVCB</u>				
<u>SL NO</u>	<u>DESCRIPTION</u>	<u>CODE NO</u>	<u>DRAWING NO</u>	<u>QTY/VCB</u>
2.0	IOH replacement kit consisting of:	070920	-----	1
2.1	AOH replacement kit	070910		
2.2	Front Buffer	LM062	LM062	1

2.3	Sealing Ring (Id-158.41mm) For Reservoir	070097G01	070097	1
2.4	A' Section Gasket	070007H01	070007	9 Ft
2.5	Sealing Ring (Id-202.57mm) for Top & Bottom Porcelain	070097G02	070097	1
2.6	Rubber Gasket for Roof	070152G01	070152	1
2.7	Air Drying Agent Molecular Sleeve Type-A4	64901000	-----	4 Kg
2.8	Auxiliary Switch (8 Way)	AD14B00401	-----	1

<u>PERIODIC OVERHAULING (POH)</u> <u>Replacement Kit For Single Bottle VCB of M/s BIECCO LAWRIE LTD.</u> <u>Type: TVCB</u>				
<u>SL NO</u>	<u>DESCRIPTION</u>	<u>CODE NO</u>	<u>DRAWING NO</u>	<u>QTY/VCB</u>
3.0	POH replacement kit consisting of:	070930		
2.0	IOH replacement kit	070920		
3.1	Contact Loading Spring	070157A4	070157	6
3.2	Opening Spring (Rev: 1)	070083A4	070083	6
3.3	Solenoid Valve Assembly	-----	070005	1
3.4	Air / Relay Valve Assembly	-----	070127	1