

Must Change Items during POH for RBMV Machine (Phooltas). Revised by RDSO (November-2020)						
S. No.	Description	Part No.	Quantity	1st POH	2nd POH	3rd POH
1.	Engines, Cummins	1P1	2	√	√	√
2.	Air Cleaners	1P7	2	√	√	√
3.	Radiators	1P8	2	√	√	√
4.	Ventilators	1P10	6	√	√	√
5.	Headlights	1P11	2	√	√	√
6.	Cattle guards	1P12	2	√	√	√
7.	Buffers	1P13	4	√	√	√
8.	Control Panel	1P24	2	√	√	√
9.	Marker Lights	1P29	4	√	√	√
10.	Flasher Lights	1P30	2	√	√	√
11.	Fire Extinguishers	1P33	4	√	√	√
12.	Horns	1P36	2	√	√	√
13.	T.C. coolers	1P37	2	√	√	√
AXLE DRIVE GEAR BOX						
1.	Helical Pinion	3P8	1	√	√	√
2.	Helical Gear	3P9	1	√	√	√
3.	Bevel Pinion - 23 T	3P12	1	√	√	√
4.	Bevel Gear 37 T	3P13	1	√	√	√
5.	Filter breather assly.	3P48	1	√	√	√
6.	½" BSP suction strainer	3P58	1	√	√	√
HYDRAULIC CIRCUIT OF COOLING SYSTEM						
1.	Fan drive hyd. Motor	5P1	2	√	√	√
2.	Hyd. Pump power 15 HP approx. @2100 RPM	5P2	2	√	√	√
3.	Return filter assly.	5P4	1	√	√	√
HYDRAULIC WORKING SYSTEM						
1.	Hyd. Motor for radiator fan	6P1	2	√	√	√
2.	Hyd. Double pump power 15 HP approx. to cooling ckt. And approx. 18 HP to optional supply to crane	6P2	2	√	√	√
3.	System Pressure control (cooling line)	6P3	2	√	√	√
4.	Return filter assly.	6P4	1	√	√	√
5.	Oil filter	6P6	1	√	√	√
6.	Section strainer	6P7A	3	√	√	√
7.	Section strainer	6P7B	2	√	√	√
8.	Hyd. Low level safety switch	6P9	1	√	√	√
9.	Emergency gear pump	6P15	1	√	√	√
10.	Hydex gear coupling	6P16	1	√	√	√
11.	Emergency pump drive motor	6P17	1	√	√	√
PNEUMATIC SYSTEM						
1.	Unloader Valve	99 30 09 01/7P1	1	√	√	√
2.	Safety valve type J-1 set at 8.5 kg/cm	30 10 17 04/7P3	1	√	√	√
3.	Auto drain valve with timing reservoir	30 10 13 62/7P5	3	√	√	√
4.	J-air filter with drain cock	30 60 14 41/7P7	1	√	√	√

S.No.	Description	Part No.	Quantity	1 st POH	2 nd POH	3 rd POH
5.	Magnet valve 24V D.C. normally closed	30 01 16 01 /7P10	1	√	√	√
6.	A-9 Auto brake valve	30 20 13 07/7P12	2	√	√	√
7.	C2W dist. Valve with support / control reservoir and filter	99 30 97 01/7P16	1	√	√	√
8.	Pneumatic horn (double tone)	08 70 26/7P21	2	√	√	√
9.	24A double check valve	30 40 17 23/7P27	5	√	√	√
10.	Air dryer of suitable capacity	(85-130 VDC)/ 7P28	1	√	√	√
11.	Wiper assly.	AS PER OHE/ 7P31	4	√	√	√
12.	8" brake cylinder	7 06 0030 00/7P35	2	√	√	√
13.	8" brake cylinder	7 06 0031 00/7P36	6	√	√	√
14.	C2W relay valve	30 30 17 22/7P43	1	√	√	√
15.	Hose with DUMMY Coupling (Type F)	8094861/7P56	2	√	√	√
16.	Service unit with pressure regulator	FRC-1/4-D-MINI-A/7P57	1	√	√	√
17.	Solenoid valve, Two position 1/8"	MFH-5-1/8/7P59	8	√	√	√
18.	Direction change cylinder - 17mm	ADVU-32-17-A-P-A/7P60	4	√	√	√
19.	Range selection cylinder small - 13mm	ADVU-32-13-A-P-A/7P62	2	√	√	√
20.	Range selection cylinder big - 26mm	ADVU-32-13-A-P-A/7P63	2	√	√	√
21.	Manual quick release (park brake)	AS PER OHE /7P64	2	√	√	√
ELECTRICAL						
1.	24 Volt alternator	8P2	2	√	√	√
2.	Fuse box 63 AMP	8P3	2	√	√	√
3.	Self-Starter	8P4	2	√	√	√
4.	24 Volt 290 AH battery	8P5	2	√	√	√
ENGINE I & II ELECTRICAL						
1.	By-Pass switch	9P3	2	√	√	√
2.	Relay 8 Point (2d1, 2d2, 2d3) (4d1, 4d2, 4d3 for engine II)	9P5	6	√	√	√
3.	Magnetic switch	9P6	2	√	√	√
4.	Fuel solenoid valve	9P7	2	√	√	√
5.	Ignition switch	9P9	2	√	√	√
6.	Buzzer	9P10	2	√	√	√
SAFETY INDICATION SYSTEM OF ENGINE - I & II						
1.	Engine mounted safety switch	10P1	14	√	√	√
2.	Red Indicator	10P2	14	√	√	√
3.	Green Indicator	10P3	14	√	√	√
4.	Engine stop switch	10P5	2	√	√	√
5.	Yellow Indicator	10P6	4	√	√	√
GAUGES						
1.	Gauge for safety sensor	11P1	12	√	√	√
2.	Engine mounted sensor	11P2	14	√	√	√
3.	RPM Cum Hour meter	11P3	2	√	√	√
4.	Ampere meter	11P4	2	√	√	√

DRIVING SECTION						
S.No.	Description	Part No.	Quantity	1st POH	2nd POH	3rd POH
1.	Relay 8 point for I Transmission	12P3	4	√	√	√
2.	Relay 8 point for II Transmission	12P4	3	√	√	√
3.	Rotary switch 3 way for Engine I	12P5	2	√	√	√
DRIVING SYSTEM OF MANUAL CONTROL FOR CABIN I & II						
1.	Solenoid valve for gear (both frame)	13P1	2	√	√	√
2.	Selector switch 3 Position	13P4	2	√	√	√
3.	Green Indicator cabin II	13P6	3	√	√	√
DRIVING CIRCUIT FOR AUTO DRIVE						
1.	Relay 8 - Point	14P3	1	√	√	√
2.	Relay 11 - Point	14P5	1	√	√	√
110 VOLT POWER SUPPLY OF BOTH ENGINE 1 & II						
1.	110V alternator	15P2	1	√	√	√
2.	Contactora 24V DC	15p3	2	√	√	√
CIRCUIT - HEAD LIGHT, CAB LIGHT & FAN FOR CAB - I & CAB - II						
1.	Head light rear	16P1	2	√	√	√
2.	Search light rear	16P4	2	√	√	√
3.	Flasher light rear	16P6	2	√	√	√
4.	Marker light rear	16P8	2	√	√	√
5.	One way toggle switch	16P10	14	√	√	√
6.	16 AMP MCB for head light	16P11	2	√	√	√
7.	6 AMP MCB for search light	16P12	2	√	√	√
8.	Rotary switch	16P19	2	√	√	√
ELECTRO PNEUMATIC SYSTEM						
1.	Solenoid for unloader valve	17P2	1	√	√	√
2.	Pressure switch for throttle cut off	17P3	1	√	√	√
3.	Parking brake pressure switch	17P6	1	√	√	√
POWER PACK ARRANGEMENT						
1.	Torque Arm Assemblies	RBMV01-01 01.00/2P5	2	√	√	√
2.	Auxiliary alternators	2P6	2	√	√	√
3.	Radiators	2P8	2	√	√	√
4.	Air cleaners	2P9	2	√	√	√
5.	T.C. Coolers	2P11	2	√	√	√
6.	Battery box 24 V	RBMV01-01 03.00/2P13	1	√	√	√
7.	Anti vibration mountings	2P15	12	√	√	√
8.	Anti vibration mountings	2P16	8	√	√	√
9.	Auxiliary Pumps for transmission lubrication	2P22	2	√	√	√
10.	Fire Extinguishers	2P24	2	√	√	√
11.	Flange auxiliary alternator	RBMV01-01 21.00/2P27	2	√	√	√
TORQUE ARM ASSEMBLY						
1.	Torque arm	RBMV01-01 01.01/4P1	1	√	√	√
2.	Spring Disc	UTV1-07 02/01/4P2	4	√	√	√
3.	Hex. Head screw M45x180	UTV1-07 02/07/4P8	1	√	√	√

S.No.	Description	Part No.	Quantity	1 st POH	2 nd POH	3 rd POH
HYDRAULIC SYSTEM						
1.	Pressure Relief Valves	-	1	√	√	√
2.	Filter	-	1	√	√	√
3.	Pressure line	-	1	√	√	√
4.	Gear Pump	-	1	√	√	√
PEDESTAL ASSEMBLY						
1.	Lower Bush	1P6	1	√	√	√
2.	Hub Bush	1P7	1	√	√	√
3.	Piston Seal	1P12	2	√	√	√
4.	O Ring - 50 x 5	1P13	4	√	√	√
5.	Gasket	1P24	1	√	√	√
6.	Gasket	1P26	2	√	√	√
7.	Bush Dipper	1P29	2	√	√	√
8.	Lock Pin	1P33	1	√	√	√
9.	Mounting Pad	1P36	4	√	√	√
ARM ASSEMBLY						
1.	3rd Exten. Cyl. Assly.	2P6	1	√	√	√
2.	2nd Exten. Cyl. Assly.	2P7	1	√	√	√
3.	1st Exten. Cyl. Assly.	2P8	1	√	√	√
4.	Pin	2P9	3	√	√	√
5.	Pin	2P10	1	√	√	√
6.	Crane hook	2P21	6	√	√	√
7.	Split Pin	2P23	1	√	√	√
HYDRAULIC WORKING SYSTEM OF RBMV CRANE						
1.	Hyd. Motor or radiator fan	1P1	2	√	√	√
2.	Hyd. Double pump: power 15 HP approx. to cooling ckt. And approx. 18 HP to optional supply to crane	1P2	2	√	√	√
3.	Return filter assly.	1P4	1	√	√	√
4.	Oil cooler with fan assly.	1P5	2	√	√	√
5.	Oil filter	1P6	1	√	√	√
6.	Suction strainer	1P7	3	√	√	√
7.	Emergency Pump drive motor	1P17	1	√	√	√
8.	Hyd. Pressure Gauge	1P20	3	√	√	√
9.	Main hyd. Pump for crane	1P22	1	√	√	√