

Must Change Items during POH for FRM M/c						
Revised by RDSO (November-2020)						
S.No	Description	part No	Qty	1st POH	2nd POH	3rd or Major repair
I	Bearings					
1	Bearing	NJ-210	4	X	X	√
2	Bearing	NUP218MC3/FAG	4	X	X	√
3	Bearing	220MC3/FAG	8	X	X	√
4	Bearing	NUP214M/FAG	4	X	X	√
5	Bearing	NUP216M/FAG	4	X	X	√
6	Bearing	NJ2213MC3/FAG	4	X	X	√
7	Bearing	NJ213MC3/FAG	4	X	X	√
8	Bearing	NJ210/FAG	16	X	X	√
9	Bearing	NJ2210/FAG	4	X	X	√
10	Bearing	NJ1036MC3	8	X	X	√
11	Bearing	AHX3226/120	8	X	X	√
12	Bearing	23226E1AKMC3	8	X	X	√
13	Bearing	UCT-311	2	√	√	√
14	Bearing	NJ-313	4	√	√	√
15	Bearing	1308	8	√	√	√
16	Bearing	22212	9	√	√	√
17	Bearing	22214	4	√	√	√
18	Bearing	6014R	4	X	√	√
19	Bearing	6014 2R	4	X	√	√
II	Engine					
1	New/Overhauled	CUMMINS- VT-1710 L	1	√	√	√
2	Silencer (Muffler)	3878822	1	X	√	√
3	Set of Hoses with clamp for Radiator	1 set	1	√	√	√
4	Air cleaner Outer & Inner Element	3237962 & 3233498(2 each)	2	√	√	√
5	Lub oil filter	Kit 3238204	3	√	√	√
6	Lub oil filter	Kit 3879488	1	√	√	√
7	Fuel fitler	Kit 3238493	2	√	√	√

S.No	Description	part No	Qty	1st POH	2nd POH	3rd or Major repair
8	Radiator	3413433	1	X	X	√
9	Self-starter	LUCAS-26024422 SM-130PE	1	X	X	√
10	Alternator 28 V/110 Amp	120689505	1	X	√	√
11	Battery	200 AH	2	√	√	√
12	Battery	75 AH	2	√	√	√
III	ELECTRICAL					
1	Intercom mike	EL-T 631.11A	3	√	√	√
2	Intercom speaker	DR 4.29	3	√	√	√
3	Intercom PCB	EL-T 631.01A	1	X	√	X
4	Relay	ELT 7010	2	X	√	√
5	All limit switches	LL1/LLA	16	√	√	√
6	All working lights		18	√	√	√
7	All Tail Lights		4	√	√	√
8	All head lights	24 VDC/70-75 W	6	√	√	√
9	Electric horn		3	√	√	√
10	Cabin fan		6	X	√	√
11	Cabin tube light		6	√	√	√
12	NC/NO Cartridge		50	√	√	√
13	Indication bulbs		30	√	√	√
14	Engine hour meter	EL-T 1255.00B	1	X	X	√
15	Engine RPM meter	EL-T 1263.00B	2	X	√	√
16	Engine Speedometer	EL-T 126400B	2	X	√	√
17	Illuminated push button		50	√	√	√
18	Push button	ELT 1050 C4	10	X	√	√
19	2 Way Joystick	ELT 1058.22	4	√	√	√
20	4 way joystick	ELT 1058.24	4	√	√	√
21	Flasher light	As per RDSO Specification	2	X	√	√
22	Hooter 24 Volts		1	√	√	√
23	Magnetic sensor	ELT-1151	4	√	√	√
24	All cables externaly exposed to sun light and oil		1000	X	√	√

S.No	Description	part No	Qty	1st POH	2nd POH	3rd or Major repair
25	Relay	ELT1218		X	✓	✓
26	Pressure Switch	64.07.1000.54	8	✓	✓	✓
27	Solenoid coupler	ELT-272	40	✓	✓	✓
28	Solonid coupler	ELT7078/7079	50	✓	✓	✓
IV	Hydraulics					
1	Pump	HY830X06X06 RE	1	X	✓	✓
2	Pump	HY830X17X06 LI	2	X	✓	✓
3	Pump	HY706X55 R/HD	1	X	✓	✓
4	Pump	HY709X65 L/FED + HY709X45L/FED	1	X	✓	✓
5	Pump	HY704X90 R/EL/A 350 Bar	1	✓	✓	✓
6	Pump	HY709X28 L/DFR/SO 59	2	✓	✓	✓
7	Pump	HY704X180 L/EL/A 380 Bar	2	✓	✓	✓
8	Pump	HY709X45 L/DFR + 28 L/DFR/SO 59	1	X	✓	✓
9	Pump	HY709X28 R/DFR/SO 59	2	X	✓	✓
1	Driving Motor	HY909X160 HAIT/50/280 Bar	4	✓	✓	✓
2	Hyd. Motor	HY935 N 16	2	✓	✓	✓
3	Hyd. Motor	HY910X56/61W-VZBO 27	2	X	✓	✓
4	Hyd. Motor	HY940X390	7	✓	✓	✓
5	Hyd. Motor	HY910X63/6.1	1	X	✓	✓
6	Hyd. Motor	HY935 N 16	2	X	✓	✓
7	Hyd. Motor	HY910X28/61-PAB 01	2	X	✓	✓
8	Hyd. Pump Motor Combination	62.05.1000.309	4	X	✓	✓
9	Hyd. Pump Motor Combination	62.05.1000.338	1	X	✓	✓
C	Hyd Filters					
1	Hyd Filter	HYS.501.160.P10 ES	3	✓	✓	✓
2	Hyd Filter	HYS.501.460.150 ES	5	✓	✓	✓
3	Hyd Filter	62.05.1000.113	4	✓	✓	✓

S.No	Description	part No	Qty	1st POH	2nd POH	3rd or Major repair
4	Hyd Filter	62.05.1000.293	4	√	√	√
5	Hyd Filter	62.05.1000.424	4	√	√	√
6	Hyd Filter	HYR 501.330.10 ES	2	√	√	√
7	Hyd Filter	OFS510P6M 2B 10 E	1	√	√	√
8	Hyd Filter	BFP3G 10W 1.00	4	√	√	√
9	Hyd Filter	62.05.1000.273	1	√	√	√
D	Hydraulics Seal set					
1	Seal Set	HZ01.80 & HZ02.080.045	12	√	X	X
2	Seal Set	HZ01.100 & HZ02.100.45	2	√	X	X
3	Seal Set	HZ01.100 & HZ02.100.63	2	√	X	X
4	Seal Set	HZ01.63 & HZ02.63.40	8	√	X	X
5	Seal Set	HZ01.63 & HZ02.63.36	12	√	X	X
6	Seal Set	HZ01.50 & HZ02.50.36	3	√	X	X
7	Seal Set	HZ01.40 & HZ02.40.25	2	√	X	X
E	Hyd Cylinders					
1	Hyd Cylinder	HZMB.063.040.0600.1.009	2	X	X	√
2	Hyd Cylinder	HZPB.040.025.0220.2.001	2	X	X	√
3	Hyd Cylinder	HZMB.080.045.0160.2	2	X	X	√
4	Hyd Cylinder	HZMB.080.45.0120.2	4	X	X	√
5	Hyd Cylinder	HZGB.063.036.0190.1	2	X	X	√
6	Hyd Cylinder	HZGB.063.036.0200.1	2	X	X	√
7	Hyd Cylinder	HZMB.0100.045.0120.2	2	X	√	√
8	Hyd Cylinder	HZPA.050.036.0800.1.001	2	X	X	√
9	Hyd Cylinder	HZMBV.080.050.0400.2.001	2	X	X	√
10	Hyd Cylinder	HZGB.0125.090.01000.1	2	X	X	√
11	Hyd Cylinder	HZMBV.0125.090.2250.1	2	X	X	√
12	Hyd Cylinder	HZGB.0125.063.0250.1	4	X	√	√
13	Hyd Cylinder	HZMBV.0100.063.1170.2	2	X	X	√
14	Hyd Cylinder	HZGB.063.036.0775.1	2	X	X	√
15	Hyd Cylinder	HZGB.063.036.0400.1	2	X	X	√

S.No	Description	part No	Qty	1st POH	2nd POH	3rd or Major repair
16	Hyd Cylinder	HZGB.063.036.0425.1	1	X	X	√
17	Hyd Cylinder	HZGB.040.025.0160.1	2	X	X	√
18	Hyd Cylinder	HZGB.063.040.0880.1	2	X	√	√
19	Hyd Cylinder	HZGB.063.040.0190.1	2	X	√	√
20	Hyd Cylinder	HZGB.080.045.0130.1	2	X	√	√
21	Hyd Cylinder	HZGB.063.036.0380.1	2	X	√	√
22	Hyd Cylinder	HZPK.063.036.0560.1.005	1	X	X	√
23	Hyd Cylinder	NZGB.080.045.0200.2	4	X	X	√
24	Hyd Cylinder	NZGB.080.045.0100.1	4	X	X	√
25	Hyd Cylinder	62.05.3000.300	4	X	X	√
26	Hyd Cylinder	62.05.3000.69-PL	1	X	X	√
27	Hyd Cylinder	62.05.3000.63-PL S 20	2	X	X	√
F	Hydraulic Valve					
1	4 Way Valve	HY 6 RSD	2	√	√	√
2	4 Way Valve	HY 10 RSD	1	√	√	√
3	4 Way Valve	HY 6 RSJ	32	X	√	√
4	4 Way Valve	HY 6 RSE	6	X	√	√
5	4 Way Valve	HY 6 RSB	6	X	√	√
6	4 Way Valve	HY 10 RSH	4	√	√	√
7	4 Way Valve	HY 16 RSH	4	√	√	√
8	4 Way Valve	HY 24 RSH	2	X	√	√
9	4 Way Valve	HY V-10 RSH	4	X	√	√
10	4 Way Valve	HY 157-44	3	√	√	√
11	Limit Valve	HY 10 RMJ	6	√	√	√
12	All unloader/ relief / safety/ check valves to be replaced	HY 511-11	1	√	√	√
13	All unloader/ relief / safety/ check valves to be replaced	HY 511-12	1	√	√	√

S.No	Description	part No	Qty	1st POH	2nd POH	3rd or Major repair
14	All unloader/ relief / safety/ check valves to be replaced	HY 511-06	4	√	√	√
15	All unloader/ relief / safety/ check valves to be replaced	HY 511-19	3	√	√	√
16	All unloader/ relief / safety/ check valves to be replaced	HY 511-20	2	√	√	√
17	All unloader/ relief / safety/ check valves to be replaced	HY 511-07	1	√	√	√
18	All unloader/ relief / safety/ check valves to be replaced	HY 155-12	32	X	√	√
19	All unloader/ relief / safety/ check valves to be replaced	HY 155-13	11	X	√	√
20	All unloader/ relief / safety/ check valves to be replaced	HY 151-19	1	X	X	√
21	All unloader/ relief / safety/ check valves to be replaced	HY 154-05	2	X	X	√
22	All unloader/ relief / safety/ check valves to be replaced	HY 153-02	2	X	X	√
23	All unloader/ relief / safety/ check valves to be replaced	HY 56 R	15	X	X	√
24	All pressure gauges to be replaced		16	X	√	√
G	Hoses					
1	All Hydraulic hoses	Suction, return, medium pressure & high pressure.(set)	1	X	√	√
2	All Pneumatic hoses	6.3mm & 12.5mm(set)	2	X	√	√

S.No	Description	part No	Qty	1st POH	2nd POH	3rd or Major repair
V	General					
1	Cardon shaft		2	X	√	√
2	Coupling	WN. 220.2	1	X	X	√
3	Toothed disc	SU-1702.21.1.5	4	√	√	√
4	Cutting Chain	RE.14.185(set)	2	√	√	√
5	Gear for cutting Chain	RE 14.101	2	√	√	√
6	Torque arm rubber element	6202114	8	√	√	√
7	Screen floor set	1 set	1	√	√	√
8	U.Clamp		60	√	√	√
9	Traverse Beam	64091207	6	√	√	√
10	Traverse Beam	64098030	2	√	√	√
11	Side member		1	√	√	√
12	Side member		1	√	√	√
13	Side member		1	√	√	√
14	Side member		1	√	√	√
15	Sweep brush	33x55x300	36	√	√	√
16	Support ring	6211700021	150	√	√	√
17	Roller	62.11.7000.39	16	X	√	√
18	Roller	62.11.7000.40	8	X	√	√
19	Roller	62.11.7000.44	12	X	√	√
20	Roller	62.11.7000.46	2	√	√	√
21	Roller	62.11.7000.43	16	√	√	√
22	Roller	6211700018/42	8	√	√	√
23	Link rod plane	SU1600508.1.5	173	X	√	√
24	Link rod roller	RE.30.107	29	X	√	√
25	Roller chain	SU-3.00(M)	170	√	√	√
26	Rivet	TSP/D/BS 8190	800	√	√	√
27	Strip 16000x65x10	HML500-WE5SS	1	√	√	√
28	Side rubber	100x10 (M)	140	√	√	√
29	Roller	6211700029/47	2	√	√	√

S.No	Description	part No	Qty	1st POH	2nd POH	3rd or Major repair
30	Guide	SU-1702.21.1.17	4	√	√	√
31	Sprocket	RE-20.725.3	12	√	√	√
32	Main conveyor	RE.30.125	1	√	√	√
33	Distributor conveyor	RE.20.580	2	√	√	√
34	Eexcavating conveyor	RE-20.725.500	2	√	√	√
35	Waste conveyor	64.11.2507	1	√	√	√
36	Toothed disc	SU-1702.21.1.4.5	4	√	√	√
37	Disc	SU-1702.21.1.5	4	√	√	√
38	Drive shaft	RE-30.275.3	2	X	√	√
39	Driven shaft	RE-30.150-2	2	X	√	√
40	Bush	0116088-11	2	√	√	√
41	All wear plates of cutting unit	1 set	1	√	√	√
42	Side plate	RE-30.151-	1	√	√	√
43	Side plate	RE-30.152-	1	√	√	√
44	Side wall	RE-350.101	2	√	√	√
45	Side wall	RE-350.102	1	√	√	√
46	Side wall	RE-350.103	1	√	√	√
47	Side wall	RE-350.104	1	√	√	√
48	Side wall	RE-350.105	1	√	√	√
49	Side wall	RE-350.106	1	√	√	√
50	Side wall	RE-350.107	1	√	√	√
51	Side wall	RE-350.108	1	√	√	√
52	Side wall	RE-350.109	1	√	√	√
53	Side wall	RE-350.101	1	√	√	√
54	Screen side fixing rubber	1 set	1	X	√	√
55	Wing	64097183	1	X	√	√
56	Wing	64097184	1	X	√	√
57	Nut	64097156	1	X	√	√
58	Bush	62091019	1	X	√	√

S.No	Description	part No	Qty	1st POH	2nd POH	3rd or Major repair
59	Liver	64097138	1	X	√	√
60	Liver	640941010	1	X	√	√
61	Pinion shaft	64022105	4	X	√	√
62	Drive clutch assembly	6202200051 STKL (set)	2	X	√	√
63	Working clutch assembly	6202200052 STKL (set)	2	X	√	√
64	Nave Unit	83-20-898	2	X	√	√
65	Nave Unit	83-29.200	2	X	√	√
66	Adaptor plate	2-15199	16	√	√	√
67	Adaptor plate	3-20210	18	√	√	√
68	Adaptor plate	3-20212	18	√	√	√
69	Adaptor plate	2-05196	16	√	√	√
70	Piston ring	2-05921 (52 dia 2.4 W)	12	√	√	√
71	Piston ring	55 dia 2.4 W	12	√	√	√
72	Brake block	WN 146.730.K3	8	X	√	√
73	Bush	64022107	4	X	√	√
74	Flange	1120	2	X	X	√
75	Drive shaft	WN.70.3803	4	X	X	√
76	Piston	1055	4	X	X	√
77	Hyd cooler	HY 157.39A	2	X	X	√
78	Oil seal	110.140.13	2	√	√	√
79	Oil seal	140.170.10	1	√	√	√
VI	Pneumatics					
1	Pn Valve	90204	2	√	√	√
2	Pn Valve	90202	1	√	√	√
3	Pn Valve	90201	1	√	√	√
4	Pn Valve	90245	2	X	√	√
5	KE Valve	90350	1	X	√	√
6	Brake valve	90364	2	√	√	√
7	Air Drier	90187	1	X	√	√
8	Brack Cylinder seal	90226	3	√	√	√

276181/2020/O/o PED/TMM/RDSO

S.No	Description	part No	Qty	1st POH	2nd POH	3rd or Major repair
9	Brack Cylinder seal	12"	3	✓	✓	✓
10	Valve	3457M	2	✓	✓	✓
11	Pn valve	G 53004L	2	✓	✓	✓
12	Pn valve	G 53014 TF	2	✓	✓	✓
13	Pressure gauge	90283	2	X	✓	✓
14	Over flow valve	90247	1	✓	✓	✓
15	Cooling coil	DL 90-37	1	X	✓	✓
16	Hose connection	90291	4	✓	✓	✓
17	Pn Cylinder	PN 2ZG-50/16/100	4	X	X	✓
18	Pn Cylinder	PN 1ZG-35/12/50	2	X	X	✓
19	Pn shuttle valve	90362	4	✓	✓	✓
20	Air dryer kit	4690202	1	✓	X	X
21	Non Rturn valve	90248	5	X	✓	✓
22	Pn horn Assy.	M75/660 HZ	2	✓	✓	✓
23	Driver Brake Valve	90366	2	✓	✓	✓
24	Two way valve	90371	2	✓	✓	✓