

| Must Change Items during POH for MPT 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 | GE 25AX | 2 | √ | √ | √ |
| 2 | Bearing | GE 35AX | 2 | √ | √ | √ |
| 3 | Bearing | N2315 | 2 | X | √ | √ |
| 4 | Bearing | 31313 | 4 | X | √ | √ |
| 5 | Bearing | 67820/67883 | 4 | X | √ | √ |
| 6 | Bearing | 32009 | 16 | √ | √ | √ |
| 7 | Bearing | 6209 2RSR | 2 | √ | √ | √ |
| 8 | Bearing | 7212 | 2 | X | √ | √ |
| 9 | Bearing | NU 2212 | 1 | X | √ | √ |
| 10 | Bearing | 6210 2RS | 1 | X | √ | √ |
| 11 | Bearing | NJ 2224 | 8 | X | √ | √ |
| 12 | Bearing | NJP 2224 | 8 | X | √ | √ |
| 13 | Bearing | NA 6913 | 4 | √ | √ | √ |
| 14 | Bearing | NKI 70/35 | 4 | √ | √ | √ |
| 15 | Bearing | 51211 | 4 | X | √ | √ |
| 16 | Rocker Bearing | GE40FO | 2 | √ | √ | √ |
| II | Engine | | | | | |
| 1 | New/Overhauled | MWM TBD-232-V 12/KTA-1150 L | 1 | √ | √ | √ |
| 2 | Silencer (Muffler) | | 1 | X | √ | √ |
| 3 | Set of Hoses with clamp for Radiator | set | 1 | √ | √ | √ |
| 4 | Air cleaner Outer & Inner Element | set | 1 | √ | √ | √ |
| 5 | Self-starter | | 1 | X | X | √ |
| 6 | Alternator | | 2 | X | √ | √ |
| 7 | Batteries | 12V/200AH | 2 | √ | √ | √ |
| III | ELECTRICAL | | | | | |
| 1 | Intercom mike | EL-T 631.11A | 2 | X | √ | √ |
| 2 | Intercom speaker | DR 4.29 | 3 | √ | √ | √ |
| 3 | Relay | EL-T 7010 | 4 | X | √ | √ |
| 4 | Relay 300A 24V | EL-T7125 | 5 | X | √ | √ |
| 5 | Moving coil instrument | EL-T80 | 2 | X | √ | √ |
| 6 | Digital Button | 15.02.11 | 4 | X | √ | √ |
| 7 | Depth transducer | EL-T 750 | 4 | X | √ | √ |
| 8 | Lining transducer | EL-T 609 | 2 | X | √ | √ |
| 9 | Microfuse | EL-T 272/4A | 25 | √ | √ | √ |

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|-----------|------------------------------|---|------|---|---|---|
| 10 | Proximity switch | EL-T 1422K | 10 | ✓ | ✓ | ✓ |
| 11 | Derailment sensor | EL-T 1151 Q | 2 | ✓ | ✓ | ✓ |
| 12 | All limit switches | LL1/LL2 | 16 | ✓ | ✓ | ✓ |
| 13 | Engine hour meter | EL-T 1255.00B | 1 | X | ✓ | ✓ |
| 14 | Volt meter | EL-T7004.00E/B | 1 | X | X | ✓ |
| 15 | Amperemeter+Shunt | EL-T 7013.00B | 1 | X | ✓ | ✓ |
| 16 | Silicon oil | AK 5000(ltr) | 1 | ✓ | ✓ | ✓ |
| 17 | Push button | EL-T 1050 C4 | 10 | ✓ | ✓ | ✓ |
| 18 | 2 Way Joy stick | EL-T 1058.22 | 8 | ✓ | ✓ | ✓ |
| 19 | 4 way joy stick | EL-T 1058.24 | 4 | ✓ | ✓ | ✓ |
| 20 | Chord wire | 2 mm(in mtr) | 100 | ✓ | ✓ | ✓ |
| 21 | RPM counter | EL-T 1264W/B | 2 | X | X | ✓ |
| 22 | Speedo meter/120km/H/24v | EL-T 1263.00/120/B | 2 | X | X | ✓ |
| 23 | Solenoid coupler | ELT7078/7079 | 30 | ✓ | ✓ | ✓ |
| 24 | Pressure gauge | EL-T1256.0 | 1 | X | ✓ | ✓ |
| 25 | Pressure gauge | 62.05.2000.46 | 2 | X | ✓ | ✓ |
| 26 | All working lights | 24V | 18 | ✓ | ✓ | ✓ |
| 27 | All Tail Lights | 24V | 4 | ✓ | ✓ | ✓ |
| 28 | All head lights | 24 VDC/70-75 W | 6 | ✓ | ✓ | ✓ |
| 29 | Electric horn | 24V | 3 | ✓ | ✓ | ✓ |
| 30 | Cabin fan | 24V | 6 | X | ✓ | ✓ |
| 31 | Cabin tube light | 24V | 6 | ✓ | ✓ | ✓ |
| 32 | Electrical cable channel | | 6 | X | ✓ | ✓ |
| 33 | NC/NO Cartridge | | 50 | ✓ | ✓ | ✓ |
| 34 | Indication bulbs | | 25 | ✓ | ✓ | ✓ |
| 35 | Transducer socket straight | | 2 | X | ✓ | ✓ |
| 36 | Transducer socket 90° | | 4 | X | ✓ | ✓ |
| 37 | Pendulum socket | | 2 | X | X | ✓ |
| 38 | Flasher light | | 2 | ✓ | ✓ | ✓ |
| 39 | Hooter 24 Volts | | 1 | ✓ | ✓ | ✓ |
| 40 | All cables externaly exposed | mtr | 1000 | X | ✓ | ✓ |
| IV | HYDRAULICS | | | | | |
| A | Pumps | | | | | |
| 1 | Pump | HY832X38.22 R | 1 | ✓ | ✓ | ✓ |
| 2 | Pump | 17X22R | 1 | ✓ | ✓ | ✓ |
| 3 | Pump | 20X22LI | 1 | ✓ | ✓ | ✓ |
| 4 | Drive Pump | HY710X180LGP/RNU 350bar+SNP2/1455C06 | 1 | ✓ | ✓ | ✓ |
| B | Motors | | | | | |
| 1 | Drive Motor | HY937X160F2A2-280/CCM | 2 | X | ✓ | ✓ |
| 2 | Motor | HY 701N22 LI | 1 | X | ✓ | ✓ |
| 3 | Motor | HY 701N22 RE | 1 | X | ✓ | ✓ |

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|----------|-------------------------------|--------------------------|---|---|---|---|
| 4 | Motor | HY90N52 | 2 | ✓ | ✓ | ✓ |
| C | Hydraulic Valves | | | | | |
| 1 | Proportional valve | HYN 25 RPE 325 TD | 2 | ✓ | ✓ | ✓ |
| 2 | Servo valve | EL-T 76.00 | 3 | ✓ | ✓ | ✓ |
| 3 | Lagic valve | HY 151.171 | 2 | ✓ | ✓ | ✓ |
| 4 | 4 WAY VALVE | HY 24 RSH | 1 | ✓ | ✓ | ✓ |
| 5 | 4 Way Valve | HY 16 RSDET | 2 | X | ✓ | ✓ |
| 6 | 4 Way Valve | HY 10 RSJ | 2 | ✓ | ✓ | ✓ |
| 7 | 4 Way Valve | HY 10 RSG | 2 | X | ✓ | ✓ |
| 8 | 4 Way Valve | HY 10 RSX | 1 | X | ✓ | ✓ |
| 9 | 4 Way Valve | HY 10 RSDA | 3 | X | ✓ | ✓ |
| 10 | 4 Way Valve | HY 6 RSX | 2 | X | ✓ | ✓ |
| 11 | 4 Way Valve | HY 6 RSD | 8 | X | ✓ | ✓ |
| 12 | 4 Way Valve | HY 6 RSJ | 9 | ✓ | ✓ | ✓ |
| 13 | 4 Way Valve | HY 6 RSE | 2 | X | ✓ | ✓ |
| 14 | All unloader/ relief | HY 511-11 (R4U10) | 1 | ✓ | ✓ | ✓ |
| 15 | All unloader/ relief | HY 511-12 (R4U06) | 1 | ✓ | ✓ | ✓ |
| 16 | All unloader/ relief | HY 511-06 | 2 | X | ✓ | ✓ |
| 17 | All unloader/ relief | HY 511-15 (R4V10) | 1 | X | ✓ | ✓ |
| 18 | All unloader/ relief | HY.511.08(R4V03 53G) | 1 | X | ✓ | ✓ |
| 19 | All unloader/ relief | HY 157-44 | 2 | X | ✓ | ✓ |
| 20 | All unloader/ relief | HY.151.11(C4V06) | 3 | X | ✓ | ✓ |
| 21 | All unloader/ relief | HY.151.08(C4V10) | 1 | ✓ | ✓ | ✓ |
| 22 | All unloader/ relief / safety | HY 151-19 (C406) | 1 | ✓ | ✓ | ✓ |
| 23 | All unloader/ relief / safety | HY511-09 | 1 | X | X | ✓ |
| 24 | All unloader/ relief / safety | HY 55 R | 2 | X | X | ✓ |
| D | Hyd filters | | | | | |
| 1 | Hyd Filters | HYS501.160.P10ES | 1 | ✓ | ✓ | ✓ |
| 2 | Hyd Filters | HYR 501.330.10 ES | 2 | ✓ | ✓ | ✓ |
| 3 | Hyd Filters | DL 40.60.3 ES | 2 | ✓ | ✓ | ✓ |
| 4 | Hyd Filters | HYD 501.32.10 ES | 1 | ✓ | ✓ | ✓ |
| 5 | Hyd Filters | HYS 501.460.150 ES | 1 | ✓ | ✓ | ✓ |
| E | Hyd Cylinders | | | | | |
| 1 | T.unit up/dn cylinder | HZDGB.080.040.0760.1.001 | 2 | ✓ | ✓ | ✓ |
| 2 | Support cylinder | UD 50.550 | 2 | ✓ | ✓ | ✓ |
| 3 | Hook cylinder | UD 313.3305.LI,RE | 2 | ✓ | ✓ | ✓ |
| 4 | Hook In out cylinder | HZGB 050.025.0580.1.001 | 2 | ✓ | ✓ | ✓ |
| 5 | Support cylinder | UD 50.2200 | 8 | ✓ | ✓ | ✓ |
| 6 | Rail clamp cylinder | HZGB 063.036.0100.1 | 4 | ✓ | ✓ | ✓ |
| 7 | Brake cylinder | UD 216-450 | 2 | X | ✓ | ✓ |
| 8 | Lining cylinder | HZGB.100.045.0580.2.002 | 2 | X | ✓ | ✓ |
| 9 | LIFTING CYLINDER | HZGB125.050.0330.1.003 | 2 | X | ✓ | ✓ |

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|----------|--|--|-----------|---|---|---|
| 10 | T.UNIT SLIDE CYLINDER | NZGB063.036.0580.1 | 2 | X | ✓ | ✓ |
| 11 | T.UNIT RADED MOVE CYL. | HZGB.063.036.0305.1 | 2 | X | ✓ | ✓ |
| 12 | L.UNIT FORWARD/REVERSE CYL. | HZGB.063.040.0320.1043 | 1 | X | ✓ | ✓ |
| 13 | All other hydraulic cylinders seals to be replaced | set | 1 | ✓ | X | X |
| 14 | All pressure gauges to be replaced | | 14 | X | ✓ | ✓ |
| F | Hoses | | | | | |
| 1 | All Hydraulic hoses | Suction, return, medium pressure & high pressure.(set) | 1 | X | ✓ | ✓ |
| 2 | All Pneumatic hoses | 6.3mm & 12.5mm(set) | 1 | ✓ | ✓ | ✓ |
| V | General | | | | | |
| 1 | Bracket | UD 67.1802 | 2 | X | ✓ | ✓ |
| 2 | Nut | UD 65.1177 | 2 | ✓ | ✓ | ✓ |
| 3 | Shim | 90x75x1.6BIMS | 6 | ✓ | ✓ | ✓ |
| 4 | V.Ring | V 40.CPD 510 | 2 | ✓ | ✓ | ✓ |
| 5 | Magiee Flexible Washer | 741444 | 12 | ✓ | ✓ | ✓ |
| 6 | Magiee Flexible Washer | 741401 | 6 | ✓ | ✓ | ✓ |
| 7 | Hook bush | CU 311.3019 | 8 | ✓ | ✓ | ✓ |
| 8 | Hook bush | CU 311.3020 | 4 | ✓ | ✓ | ✓ |
| 9 | Hook | UD 313.1304 | 2 | ✓ | ✓ | ✓ |
| 10 | Lining Roller | UD313.1061A | 2 | ✓ | ✓ | ✓ |
| 11 | Clamp Roller | UD311.505 | 4 | ✓ | ✓ | ✓ |
| 12 | Brake block | WN 146.730.K3 | 8 | ✓ | ✓ | ✓ |
| 13 | Shock Absorber | WN 62.01ZD 5,7KN | 8 | ✓ | ✓ | ✓ |
| 14 | Magiee springs | 732073-MG 670-S6 | 16 | ✓ | ✓ | ✓ |
| 15 | Spring | MSW 100.1101.31 | 12 | ✓ | ✓ | ✓ |
| 16 | Brake linkage rod assy | set | 2 | X | X | ✓ |
| 17 | Slide plate | UD67.2108PAS | 8 | ✓ | ✓ | ✓ |
| 18 | Slide plate | UD67.2105LI | 2 | ✓ | ✓ | ✓ |
| 19 | Slide plate | UD67.2105RE | 2 | ✓ | ✓ | ✓ |
| 20 | Knuckle joint | UD 311.1205ST KL-MINUS(set) | 4 | X | ✓ | ✓ |
| 21 | Bearing Plate | UD 63.1051 | 1 | X | ✓ | ✓ |
| 22 | Bush | MB7560DU | 4 | ✓ | ✓ | ✓ |
| 23 | GUIDE BUSH | UD 252-23A | 12 | ✓ | ✓ | ✓ |
| 24 | Fork Head | HZ 60.01-5 | 2 | X | ✓ | ✓ |
| 25 | Tamping Unit | New/Overhauled(1 set) | 1 | ✓ | ✓ | ✓ |
| 26 | Isolator vibration | 4020347 | 4 | X | ✓ | ✓ |
| 27 | Operator seat | UD185.200 | 4 | X | ✓ | ✓ |
| 28 | Wiper double arm assy | | 2 | ✓ | ✓ | ✓ |
| 29 | Cabin flooring/matting | | 1 | ✓ | ✓ | ✓ |
| 30 | Cabin Interior | | 1 | ✓ | ✓ | ✓ |

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|-----------|--|-------------------|----|---|---|---|
| 31 | Wiper single arm assy | | 1 | √ | √ | √ |
| 32 | Slide plate | UD61.402.PAS LX | 4 | X | √ | √ |
| 33 | Disc spring | UD61.605-55 SHORE | 24 | X | √ | √ |
| 34 | Wheels | WN01-730.184.IND | 8 | X | √ | √ |
| 35 | Bearing | 6213 2RSR | 8 | √ | √ | √ |
| 36 | Guide Bush | W61.02.25 | 8 | X | X | √ |
| 37 | Emergency backup pump | GLR 30 | 1 | X | √ | √ |
| VI | Pneumatics | | | | | |
| 1 | ACC Cylinder | WM 388 | 1 | X | √ | √ |
| 2 | ACC Valve | WM 607 | 2 | X | √ | √ |
| 3 | Brake Cylinder seal | 12" | 2 | √ | √ | X |
| 4 | Brake Cylinder | | 2 | X | X | √ |
| 5 | Air unloader valve | 90200 | 1 | √ | √ | √ |
| 6 | Pn Regulator | 90188 | 5 | √ | √ | √ |
| 7 | Air Oiler | 90180 | 1 | √ | √ | √ |
| 8 | Air Drier | 90187/09 | 1 | X | √ | √ |
| 9 | Air Drier seal kit | | | √ | X | X |
| 10 | Water seperator | 90181 | 1 | √ | √ | √ |
| 11 | Pn horn | 53004 HS | 2 | X | √ | √ |
| 12 | Pn Valve | 90341/G53024-YTF | 3 | X | √ | √ |
| 13 | Pn Valve | 90344/G53014 | 19 | X | √ | √ |
| 14 | Over flow valve | 90246 | | X | √ | √ |
| 15 | Pn Valve | 90204 | 1 | √ | √ | √ |
| 16 | Pn Valve | 90362 | 2 | X | √ | √ |
| 17 | Pn Valve | 90342 | 2 | X | √ | √ |
| 18 | Pn Valve | 90343 | 3 | X | √ | √ |
| 19 | Pn Valve | 90356 | 1 | X | √ | √ |
| 20 | Pn Valve | 90450R2/100 | 1 | X | √ | √ |
| 21 | Pn Valve | 90291 | 1 | X | √ | √ |
| 22 | Pn valve | 90271 | 1 | X | √ | √ |
| 23 | Pn valve | 90263 | 1 | X | √ | √ |
| 24 | Pn valve | 90451 | 1 | X | √ | √ |
| 25 | Pressure gauge | 90283/90284 | 2 | X | √ | √ |
| 26 | Cooling coil | DL 90-37 | 1 | X | √ | √ |
| 27 | All Pn cylinder's seals to be replaced | set | 20 | √ | X | X |
| 28 | Hose connection | 90267 | 1 | X | √ | √ |
| 29 | Driver Brake Valve | 90366 | 2 | X | √ | √ |
| 30 | Brake Valve | 90370/90364 | 4 | X | √ | √ |
| 31 | All Pn cylinder's to be replaced | | | X | √ | √ |