

Must Change Items during POH for 09-3X T-EXP 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	22208	4	√	√	√
2	Bearing	NJ 310	2	√	√	√
3	Bearing	NJ2214	2	√	√	√
4	Bearing	N2315	2	√	√	√
5	Bearing	31313J	4	√	√	√
6	Bearing	NJ 2224	10	√	√	√
7	Bearing	NJP 2224	10	√	√	√
8	Bearing	6209 2RSR	3	√	√	√
9	Bearing	32009	16	X	√	√
10	Bearing	7212	2	X	√	√
11	Bearing	NU 2212	1	X	√	√
II	Engine					
1	New/Overhauled	NT-855 LBC	1	√	√	√
2	New/Overhauled	KTA-1150 L	1	√	√	√
3	Silencer (Muffler)		1	X	√	√
4	Set of Hoses with clamp for Radiator	set	1	√	√	√
5	Air cleaner Outer & Inner Element	set	1	√	√	√
III	ELECTRICAL					
1	Intercom mike	EL-T 631-11A	3	X	X	√
2	Intercom speaker	DR 4.29	2	√	√	√
3	Moving coil instrument	ELT 80	4	X	X	√
4	Encoder	ELT 7055/700 AF	1	X	√	√
5	Digital dial	15.02.11	2	X	√	√
6	Depth transducer	ELT 750	4	X	X	√
7	Lining transducer	ELT 609	2	X	X	√
8	Satellite transducer	ELT 1041	1	X	X	√

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9	Proximity switch	ELT 1422 - K	10	√	√	√
10	Derailment sensor	ELT 1151 Q	2	√	√	√
11	All limit switches	LL1/LL2	16	√	√	√
12	All working lights		25	√	√	√
13	All Tail Lights		4	√	√	√
14	All head lights	24 VDC/70-75W	2	√	√	√
15	Electric horn		3	√	√	√
16	Self starter	Lucas 26024422,SM-130-PE model	2	X	X	√
17	Alernator 28V/55A	Bosch pt no.12069643	1	X	√	√
18	Alernator 28V/100A	Plasser pt.120689505/Bosch 120689505	2	X	√	√
19	Cabin fan		6	X	√	√
20	Cabin tube light		7	√	√	√
21	Steel reinforced plastic sleeve	meters	45	√	√	√
22	NC/NO Cartridge		50	√	√	√
23	Indication bulbs		30	√	√	√
24	Engine hour meter	EL-T 1255.00B	1	X	X	√
25	Volt meter	EL-T 1261.00A	1	X	X	√
26	Amperemeter	EL-T 7013.00B	1	X	√	√
27	Transducer socket straight		3	X	X	√
28	Transducer socket 90°		6	X	X	√
29	Pendulum socket		3	X	X	√
30	Relay	LR 24	2	X	X	√
31	Silicon oil	AK 5000(ltr)	1	√	√	√
32	Push button	ELT 1050 C4	10	X	√	√
33	Chord wire	2 mm(mtrs)	100	√	√	√
34	Flasher light	24 V	2	X	√	√
35	Camera		2	√	√	√
36	Monitor		2	X	√	√
37	Rpm meter	ELT 1264	2	X	X	√

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38	speedometer	ELT 1263	2	X	X	√
39	Batteries	220AH	2	√	√	√
40	Batteries	75 AH	2	√	√	√
41	Batteries	2.2AH	2	√	√	√
42	Solenoid coupler	ELT7078/7079	40	√	√	√
43	RPM sensor		2	√	√	√
44	Speedometer sensor		2	√	√	√
45	Temperature Sensor		2	√	√	√
46	Pressure gauge Sensor	0-10 Bar	1	√	√	√
47	Pressure gauge Sensor	0-25 Bar	1	√	√	√
IV	HYDRAULICS					
A	Hyd. Pumps					
1	PUMP	HY 831X38X 25 RE	2	√	√	√
2	PUMP	HY 831X35X17 LI	3	√	√	√
3	PUMP	HY 831X35X17 RE	1	√	√	√
4	PUMP	HY 704X125L/EL/210 bar + VT 30054	1	√	√	√
B	Hyd. Motors					
1	MOTOR	HY 90 N 52	4	√	√	√
2	MOTOR	HY 725x28 LI/RE	4	X	√	√
3	MOTOR	HY 916 N 800	1	X	√	√
4	MOTOR	HY 916 N 500	1	X	√	√
5	MOTOR	HY 901 N 200	2	√	√	√
6	MOTOR	A2FM 45/6.1 W	2	√	√	√
C	Hyd. Valves					
1	Proportional valve	HYN 25 RPE2- 325 DSO 728	5	√	√	√
2	4 Way Valve	HY 10 RSDA	12	X	√	√
3	4 Way Valve	DBEME205X100YG24Z3IN	1	√	√	√
4	4 Way Valve	3-DRE16P4-X/100XY/00M2(CYD-24/10)	1	√	√	√
5	4 Way Valve	HY 10 RSJA	2	X	√	√
6	4 Way Valve	HY 10 RSGA	2	X	√	√
7	4 Way Valve	HY 10 RSXA	1	X	√	√

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8	4 Way Valve	HYV 10 RSDET	4	X	√	√
9	4 Way Valve	HY 6 RSB	1	X	√	√
10	4 Way Valve	HY 6 RSDA	4	X	√	√
11	4 Way Valve	HY 6 RSJA	4	X	√	√
12	4 Way Valve	HY 6 RSXA	3	√	√	√
13	4 Way Valve	HY 157-44	4	X	√	√
14	Servo valve	ELT 76.00	3	√	√	√
15	All unloader/ relief / safety/ check valves to be replaced	HY 55R	3	X	X	√
16	All unloader/ relief / safety/ check valves to be replaced	HY 56R	2	X	X	√
17	All unloader/ relief / safety/ check valves to be replaced	HY 511.38 - 160 bar	1	X	X	√
18	All unloader/ relief / safety/ check valves to be replaced	HY 511-11	2	√	√	√
19	All unloader/ relief / safety/ check valves to be replaced	HY 511-12	1	√	√	√
20	All unloader/ relief / safety/ check valves to be replaced	HY 511-06	4	X	X	√
21	All unloader/ relief / safety/ check valves to be replaced	HY 511-15	2	X	X	√
22	All unloader/ relief / safety/ check valves to be replaced	HY 511.07	1	X	X	√
23	All unloader/ relief / safety/ check valves to be replaced	HY 511-10	1	X	X	√
24	All unloader/ relief / safety/ check valves to be replaced	HY 511-08	1	X	X	√
25	All unloader/ relief / safety/ check valves to be replaced	HY 151-127	2	√	√	√
26	All unloader/ relief / safety/ check valves to be replaced	HY 151-19	1	√	√	√
27	All unloader/ relief / safety/ check valves to be replaced	HY 511-22/100 bar	2	X	X	√
28	All unloader/ relief / safety/ check valves to be replaced	HY 511-31	4	X	X	√
29	All unloader/ relief / safety/ check valves to be replaced	HY 151-03	5	X	X	√

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30	All unloader/ relief / safety/ check valves to be replaced	HY 151-18	2	X	X	√
31	All unloader/ relief / safety/ check valves to be replaced	S10 A-1.0	2	X	X	√
32	All unloader/ relief / safety/ check valves to be replaced	HY 151-19	1	X	X	√
33	Accumulator	HY 156-06	6	X	X	√
D	Hyd Filters					
1	Hyd Filters	HYS 501.360.150 ES	6	√	√	√
2	Hyd Filters	HYS 501.330.10 ES	2	√	√	√
3	Hyd Filters	DL 40.60.3 ES	2	√	√	√
4	Hyd Filters	HYD 501.225.25 ES	1	√	√	√
5	Hyd Filters	HYD 501.32.10 ES	4	√	√	√
6	Hyd Filters	HYS 501.460.150 ES	1	√	√	√
7	Hyd Filters	HYS 501.160 P.10 ES	1	√	√	√
8	Hyd Filters	HYD 501.5.10 ES	2	√	√	√
E	Hyd Cylinders					
1	Hyd Cylinder	UD 50.100	4	√	√	√
2	Hyd Cylinder	UD 50.550	2	√	√	√
3	Hyd Cylinder	UD 50.2200	8	√	√	√
4	Hyd Cylinder	UD 50.200	2	√	√	√
5	Hyd Cylinder	UD.216.450	2	X	√	√
6	Hyd Cylinder	HZMB.040.025.0130.1	2	X	X	√
7	Hyd Cylinder	HZGB.080.036.0160.2	2	X	X	√
8	Hyd Cylinder	HY.600.05A	2	X	X	√
9	Hyd Cylinder	HZDQB.080.040.600.1.001	1	X	X	√
10	Hyd Cylinder	HZGB.100.050.0400.1	1	X	X	√
11	Rail clamp cylinder	HZGB 063.036.0100.1	4	X	√	√
12	Lining cylinder with yoke	HZGB.100.045.0300.1.003	2	X	X	√
13	Lifting cylinder with yoke	HZGB.125.050.0450.1.002	2	X	X	√
14	T.unit up/dn cylinder	HZDPA.080.040.0835.1.001	4	√	√	√

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15	Seals sets to be replaced in cylinders which are not replaced	set	1	√	√	X
16	All pressure gauges to be replaced		11	X	X	√
F	Hoses					
1	All Hydraulic hoses	Suction, return, medium pressure & high pressure.(set)	1	√	√	√
2	All Pneumatic hoses	6.3mm & 12.5mm(set)	1	√	√	√
V	General					
1	T/U Cyl suspension bracket	DL-10.52	4	X	√	√
2	Support	UD 10.53	8	X	√	√
3	Nut	UD 65.1177	4	X	√	√
4	Shim	90x75x1.6BIMS	12	X	√	√
5	V.Ring	V 40.CPD 510	4	X	√	√
6	Rail clamp disc	UD 311.505	4	X	√	√
7	Jacket assy	DL-150.02	8	X	√	√
8	Lining Roller	2E 150.23 AS	4	X	√	√
9	Pivot Joint	G 25 AX	4	X	√	√
10	Bush	PM 40.30.DX	8	X	√	√
11	Pinion (Satellite)	U 64.1303	2	X	√	√
12	Gear Wheel	U 64.1302	1	X	√	√
13	Shaft	UD 63.1204/U 63.1204	1	X	√	√
14	Fork	U 64.1311	1	X	√	√
15	Sat Torque arm plate	UD 63-1051	1	X	√	√
16	Sat Torque arm big pin	UD 63-1056	2	X	√	√
17	Sat Torque arm samll pin	UD 63-1055	2	X	√	√
18	Magiee Flexible Washer	741444	16	X	√	√
19	Flange	UD 64.326	2	X	√	√
20	Magiee spring	732073-MG 670-S6	16	X	√	√
21	Connecting piece	U 75.14	2	X	√	√
22	Brake blocks	WN 146.730.K3	12	X	√	√

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23	Shock Absorbers	WN 63.01 ZD 5.7 KN	8	X	√	√
24	Brake linkage rod assy	set	2	X	√	√
25	Brake revarsol spring	MSW 100.1101.31	12	X	√	√
26	Bush	PG 40.44.30	4	X	√	√
27	Bush	PG 35.39.30	4	X	√	√
28	Bush	PG 50.50	8	X	√	√
29	Bush	PG 50.30	8	X	√	√
30	Wheel	UD 236.3001-71SOL	6	X	√	√
31	Wheel	UD 236.7201-2	2	X	√	√
32	Cone bearing	57180 1313-50 SH	12	X	√	√
33	Tamping Unit	New/Overhauled(1 set)	1	X	√	√
34	Lifting Unit	New/Overhauled(1 set)	2	X	√	√
35	Oil seal	BA 70-100-10	2	X	√	√
36	Oil seal	BA 160-190-13	12	X	√	√
37	Oil seal	75-95-10	2	X	√	√
38	Oil seal	55-72-10	8	X	√	√
39	Oil seal	85-105-13	2	X	√	√
40	Isolator vibration	4020347	8	X	√	√
41	Operator seat		5	X	√	√
42	Wiper single arm assy		1	X	√	√
43	Wiper double arm assy		2	X	√	√
44	Cabin flooring/matting		1	X	√	√
45	Cabin Interior		1	X	√	√
46	Emergency back up pump	GLR 30	1	X	√	√
VI	Pneumatics					
1	Pn Cylinder	PN 2ZK-F 50-18-70	2	X	√	√
2	Brack Cylinder seal	12"	1	X	X	√
3	Brack Cylinder	12"	1	√	√	√
4	Brack Cylinder seal	8"	1	X	X	√
5	Brack Cylinder	8"	1	√	√	√
6	Pn Valve	90344	12	X	√	√
7	Pn Valve	90342	2	X	√	√

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8	Pn Valve	90362	1	X	√	√
9	Pn Valve	90364	4	√	√	√
10	Pn Valve	90259	1	X	√	√
11	Pn Valve	90204	1	√	√	√
12	Un loader valve	275200D2	1	√	√	√
13	Over flow valve	90247	1	X	√	√
14	Pn Regulator	90188	6	√	√	√
15	4 Way valve	90346	2	√	√	√
16	Container	90356	2	X	√	√
17	Air Oiler	90180	1	√	√	√
18	Air Drier	90187/09	1	X	√	√
19	Air Drier kit	434069202	1	√	X	X
20	Pressure gauge	90283	2	X	X	√
21	Pressure gauge	90284	2	X	X	√
22	Cooling coil	DL 90-37	1	X	√	√
23	Water seperator	90181	1	√	√	√
24	Pn horm		2	X	√	√
25	Seal. of all pn. Cyl. To be replaced	set	1	√	√	X
26	Driver Brake Valve	90366	2	X	√	√