

Must Change Items during POH for UNI-4S						
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	X	X	√
2	Bearing	N2315	2	X	√	√
3	Bearing	31313	4	X	√	√
4	Bearing	67820/67883	4	X	√	√
5	Bearing	32009	16	X	√	√
6	Bearing	6209 2RSR	3	√	√	√
7	Bearing	7212	2	X	√	√
8	Bearing	NU 2212	1	X	√	√
9	Bearing	6210 2RS	1	X	√	√
10	Bearing	NA 6913	4	√	√	√
11	Bearing	NKI 70/35	4	√	√	√
12	Bearing	NJ 2314MC3	2	√	√	√
13	Bearing	NJ2214EM1	2	√	√	√
14	Bearing	GPC-6321F	2	X	√	√
15	Bearing	51211	4	X	√	√
16	Roller Bearing	31315	2	X	√	√
17	Roller Bearing	31313J2	2	X	√	√
18	Cylindrical Roller Bearing	NU2313EM1C3	1	X	√	√
19	Cylindrical Roller Bearing	2315MC3	1	X	√	√
20	Cylindrical Roller Bearing	NU215	1	X	√	√
21	Cylindrical Roller Bearing	NUP213	1	X	√	√
22	Ball Bearing	6013/2RS	1	√	√	√
23	Rocker Bearing	GE40FO	1	√	√	√
II	Engine					
1	New/Overhauled	KTA 1150 L	1	√	√	√
2	Silencer (Muffler)		1	X	√	√
3	Set of Hoses with clamp for Radiator	set	1	√	√	√

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4	Air cleaner Outer & Inner Element	set	1	√	√	√
5	Self-starter		1	X	X	√
6	alternator		2	X	√	√
7	Batteries	12V/75AH	2	√	√	√
8	Batteries	12V/200AH	2	√	√	√
III	ELECTRICAL					
1	Intercom mike	EL-T 631.11A	3	X	X	√
2	Intercom speaker	DR 4.29	3	√	√	√
3	Relay	ELT 7010	2	X	X	√
4	Digital Button	15.02.11	4	X	X	√
5	Depth transducer	ELT 750	4	X	X	√
6	Lining transducer	ELT 609	2	X	X	√
7	Proximity switch	ELT 1422K	24	√	√	√
8	Derailment sensor	ELT 1151 Q	4	√	√	√
9	Proximity switch	ELT 7144	4	X	√	√
10	All limit switches	LL1/LCW/LLA	16	√	√	√
11	All working lights		40	√	√	√
12	All Tail Lights		4	√	√	√
13	All head lights	24 VDC/70-75 W	2	√	√	√
14	Electric horn		4	√	√	√
15	Cabin fan		6	X	√	√
16	Cabin tube light		6	√	√	√
17	Electrical cable channel		6	X	√	√
18	NC/NO Cartridge		100	√	√	√
19	Indication bulbs		25	√	√	√
20	Engine hour meter	EL-T 1255.00B	1	X	X	√
21	Volt meter	EL-T 1261.00A	1	X	X	√
22	Amperemeter	EL-T 7013.00B	1	X	√	√
23	Transducer socket straight		2	X	X	√
24	Transducer socket 90°		11	X	X	√
25	Servo socket		3	X	X	√

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26	Pendulum socket		3	X	X	√
27	Silicon oil	AK 5000(ltr)	1	√	√	√
28	Push button	ELT 1050 C4	20	√	√	√
29	2 Way Joy stick	ELT 1058.22	8	√	√	√
30	4 way joy stick	ELT 1058.24	4	√	√	√
31	Chord wire	2 mm(in mtr)	65	√	√	√
32	Flasher light		2	X	√	√
33	Hooter 24 Volts		1	√	√	√
34	All cables	mtr	1000	X	√	√
35	rpm meter	elt 1264	2	X	X	√
36	tacho meter	elt 1263	2	X	X	√
37	Solenoid coupler	ELT7078/7079	80	√	√	√
38	RPM sensor		1	√	√	√
39	Speedometer sensor		1	√	√	√
40	Temperature Sensor		2	√	√	√
41	Pressure gauge Sensor	0-10 Bar	1	√	√	√
42	Pressure gauge Sensor	0-25 Bar	1	√	√	√
43	Programmer Battary	75AH	2	√	√	√
44	Logic relay	ELT7178	1	X	√	√
IV	HYDRAULICS					
A	Pumps					
1	Pump	HY 832x24x14X14 LI	1	√	√	√
2	Pump	HY 832x38x22X14 Re	1	√	√	√
3	Pump	HY 832x20x14X14 Re	1	√	√	√
4	Diesel unit/Emergency pump	HY717 D.08/6.8KW	1	√	√	√
B	Motors					
1	Motor	HY 916N 800	3	X	√	√
2	Motor	HY 701X12 LI	2	X	√	√
3	Motor	HY 701X12 Re	2	X	√	√
4	Motor	HY 925N125D	1	√	√	√
5	Motor	HY 925N32D	2	√	√	√
6	Motor	HY 90N-42	2	√	√	√

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7	Motor	HY 90N-33	2	√	√	√
8	Motor	HY 915N10	1	√	√	√
C	Hydraulic Valves					
1	Proportional valve	HYA 16 RPE 2-150 DSO 728	4	√	√	√
2	Proportional valve	HYA10RPE50	4	√	√	√
3	Servo valve	EL-T 76.00	3	√	√	√
4	4 Way Valve	HY V10 RSJET	2	√	√	√
5	4 Way Valve	HY 16 RSDET	1	X	√	√
6	4 Way Valve	HY 10 RSJ	7	√	√	√
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	8	X	√	√
10	4 Way Valve	HY 6 RSX	3	X	√	√
11	4 Way Valve	HY157.99	2	X	√	√
12	4 Way Valve	HY 6 RSU-SRP	4	√	√	√
13	4 Way Valve	HY 6 RSJ	18	X	√	√
14	5 Way Valve	HY 6 RSE	20	X	√	√
15	6 Way Valve	HY 6 RSD	7	X	√	√
16	All unloader/ relief / safety/ check valves to be replaced	HY 511-11	1	√	√	√
17	All unloader/ relief / safety/ check valves to be replaced	HY 511-12	1	√	√	√
18	All unloader/ relief / safety/ check valves to be replaced	HY 511-06	2	X	√	√
19	All unloader/ relief / safety/ check valves to be replaced	HY 511-14/150 bar	3	X	√	√
20	All unloader/ relief / safety/ check valves to be replaced	HY 511-15	1	X	√	√
21	Check Valve	HY151-18	1	√	√	√
22	All unloader/ relief / safety/ check valves to be replaced	HY 511.08	1	X	√	√
23	All unloader/ relief / safety/ check valves to be replaced	HY 511.44/75 bar	1	X	√	√

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24	All unloader/ relief / safety/ check valves to be replaced	HY 157.44	2	X	√	√
25	All unloader/ relief / safety/ check valves to be replaced	HY 151.24	1	X	√	√
26	All unloader/ relief / safety/ check valves to be replaced	HY 151-33/05 bar	2	X	X	√
27	All unloader/ relief / safety/ check valves to be replaced	HY 151-19	1	√	√	√
28	All unloader/ relief / safety/ check valves to be replaced	HY 151-33 5bar	4	X	X	√
29	All unloader/ relief / safety/ check valves to be replaced	HY 151-215	1	X	X	√
30	All unloader/ relief / safety/ check valves to be replaced	Hy 511-5D/315	1	√	√	√
31	All unloader/ relief / safety/ check valves to be replaced	Hy 511-22/ 50 Bar	3	√	√	√
32	All unloader/ relief / safety/ check valves to be replaced	Hy 151-188/5bar	1	X	X	√
33	All unloader/ relief / safety/ check valves to be replaced	HY 151-33/0.5bar 16	1	X	X	√
34	All unloader/ relief / safety/ check valves to be replaced	HY 55 R	5	X	X	√
35	All unloader/ relief / safety/ check valves to be replaced	HY 56 R	1	X	X	√
36	Valve	Hy16.03	2	X	X	√
37	Valve	HY 157-27 160bar	3	X	X	√
38	Valve	Hy.100.02	1	X	X	√
D	Hyd filters					
1	Hyd Filters	HYS 501.460.150 ES	3	√	√	√
2	Hyd Filters	HYR 501.330.10 ES	2	√	√	√
3	Hyd Filters	HYR 508.05.01	3	X	X	√
4	Hyd Filters	DL 40.60.3 ES	2	√	√	√
5	Hyd Filters	HYD 501.225.25 ES	1	√	√	√
6	Hyd Filters	HYD 501.32.10 ES	2	√	√	√
7	Hyd Filters	HYD 508.5.01 ES	3	√	√	√

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E	Hyd Cylinders					
1	Hyd Cylinders	HZDGB.063.036.0765.1.0 10	4	√	√	√
2	Hook cylinder	UD 313.3305.LI,RE	2	√	√	√
3	Hyd Cylinders	HZGB 080.036.0305.1	2	X	√	√
4	Hyd Cylinders	HZGB 080.050.0900.2	2	X	√	√
5	Hyd Cylinders	HZGB 100.063.0200.1	2	X	√	√
6	Hyd Cylinders	HZGB 100.063.1000.1	2	X	√	√
7	Hyd Cylinders	HZGB 080.036.0100.1	1	X	√	√
8	Hyd Cylinders	HZGB 050.036.0080.2.003	4	X	√	√
9	Hyd Cylinders	HZGB 050.036.0080.2.001	2	X	√	√
10	Hyd Cylinders	HZGB 100.045.0650.2.001	2	X	√	√
11	Hyd Cylinders	HZGB 063.040.2000.2.002	2	X	√	√
12	Hyd Cylinders	HZGB 100.045.0540.2.001	2	X	√	√
13	Hyd Cylinders	HZGB 050.036.0080.2.002	2	X	√	√
14	Hyd Cylinders	HZGB 063.036.0100.1	1	X	√	√
15	Hyd Cylinders	HZGB 063.040.0410.1.001	1	X	√	√
16	Hyd Cylinders	62.05.3000.184	2	X	√	√
17	Support cylinder	UD 50.3700	4	√	√	√
18	Support cylinder	UD 50.3900	4	√	√	√
19	Support cylinder	UD 50.3100	2	√	√	√
20	Support cylinder	UD160.50.DG	4	X	√	√
21	Turning cylinder	HZGB 125.063.950.1	2	X	√	√
22	Hyd Cylinders	HZSG.163.154.1	4	X	√	√
23	Hyd Cylinders	HZSG.163.153.2	4	X	√	√
24	T.T. Cylinder	W33.200 C	16	X	√	√
25	Track lifting cylinder	HZGB.125.050.0435.1.00 1	2	X	√	√

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26	All other hydraulic cylinders seals to be replaced	set	1	✓	X	X
27	All pressure gauges to be replaced		14	X	X	✓
28	Chord Roll	WI-320-8/E6	2	✓	✓	✓
F	Hoses			X		
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	X	✓	✓
3	Shim	90x75x1.6BIMS	6	X	✓	✓
4	V.Ring	V 40.CPD 510	2	X	✓	✓
5	Magiee Flexible Washer	741444	16	✓	✓	✓
6	Magiee Flexible Washer	741401	10	✓	✓	✓
7	Hook bush	CU 311.3019	8	✓	✓	✓
8	Hook bush	CU 311.3020	4	✓	✓	✓
9	Hook	UD 313.1304	2	✓	✓	✓
10	Roller	UD 313.1000.III SP.1668/1676(set)	2	X	✓	✓
11	Roller	UD 313.2700.IV SP 1668/1676(set)	2	X	✓	✓
12	Lever	UD 313.1805	1	X	X	✓
13	Lever	UD 313.1806	1	X	X	✓
14	Rail clamp disc	UD 311.505	4	X	✓	✓
15	Brake block	WN 146.920.K3	16	✓	✓	✓
16	Brake block	WN 146.920.K8	8	✓	✓	✓
17	Shock Absorber	WN 62.01ZD 5,7KN	8	X	✓	✓
18	Joint head	HZ 70.01-8	4	✓	✓	✓
19	Flange	UD 64.76-(180 mm)	2	X	X	✓
20	Cone bearing	571801313-50SH	12	✓	✓	✓

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22	Spring	MSW 100.1101.31	12	√	√	√
23	Brake linkage rod assy	set	2	X	X	√
24	Roller	WN 121-18H7.35.33-1	8	√	√	√
25	Bolt	WN 106-16H 11.145-1	4	√	√	√
26	Slide plate	UD 67.2108	8	√	√	√
27	Knuckle joint	UD 311.1205ST KL-MINUS(set)	2	X	√	√
28	Spring	UD 313.3850.8	4	X	√	√
29	Torque arm plate	UD 63.1051	1	X	√	√
30	Bush	PG 50 55 50	4	√	√	√
31	Bush	PG 50 55 30	4	√	√	√
32	Clives	HZ 60.01	2	√	√	√
33	Tamping Unit	New/Overhauled(1 set)	4	√	√	√
34	Lifting Unit	New/Overhauled(1 set)	1	√	√	√
35	Oil seal	85-105-13	2	√	√	√
36	Oil seal	7 ^{1/2} ZX8 ^{1/2} ZX 3/4Z	16	√	√	√
37	Oil seal	195-220-13	8	√	√	√
38	Oil seal	75-95-10	2	√	√	√
39	Isolator vibration	4020347	4	X	√	√
40	Operator seat		6	X	√	√
41	Wiper double arm assy		2	√	√	√
42	Cabin flooring/matting		1	√	√	√
43	Cabin Interior		1	√	√	√
44	Wiper single arm assy		1	√	√	√
45	Emergency back up pump	GLR 30	1	√	√	√
46	Fish Plate	UD14-162	2	√	√	√
47	Fix Bolt	UD 64-27	22	√	√	√
48	Bolt	WN109.45E9.193	4	√	√	√
49	Universal joint	GE45 UK2RS	2	√	√	√
50	Seal	240-270-15	8	X	√	√
51	Seal	230-255-15	8	X	√	√

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52	Seal	95-120-12	2	√	√	√
53	Rubber Spring	UD61.14168	4	√	√	√
54	Drive shaft	WN75.202	1	X	√	√
55	Drive shaft	WN75.103	1	X	√	√
56	Bearing Bush	WN75.104	1	X	√	√
57	Seal Ring	BA95-120-12DIN3760-NB	2	√	√	√
58	Seal Ring	BA85-110-13DIN3760-NB	2	√	√	√
59	Seal Ring	BA20-32-7DIN3760-NB	1	√	√	√
60	Disc	UD76-513	1	X	√	√
61	Gear Wheel	Z=77/44	1	X	√	√
62	Drive Gear Wheel	WN75-137	1	X	√	√
63	Cardan Shaft	KGV180.0950.110.80	1	X	√	√
64	Cardan Shaft	KGV180.1250.110.80	1	X	√	√
65	Cardan Shaft	KGV180.1550.110.80	1	X	√	√
66	Cardan Shaft	KGV180.1300.110.80	1	X	√	√
67	Cardan Shaft	KGW180.1300.110.01	1	X	√	√
VI	Pneumatics					
1	Pn Cylinder	PN 2ZK-F 50-18-70	2	X	√	√
2	Pn Cylinder	Pn4Z100-25X200X200	2	X	√	√
3	Pn Cylinder	7020x200X200	1	X	√	√
4	Pn Cylinder	PN 1Z 25X10x30	1	X	√	√
5	ACC Cylinder	WM 388	1	X	√	√
6	ACC Valve	WM 607	2	X	√	√
7	Brack Cylinder seal	6"/	2	√	√	X
8	Brack Cylinder	6'/90217BG6'''	2	X	X	√
9	Brack Cylinder seal	8''	2	√	√	X
10	Brack Cylinder	8''/90227	2	X	X	√
11	Air unloader valve	90201	1	X	X	√
12	Idle valve	90202	1	X	√	√
13	Pn Regulator	90187-B	1	√	√	√
14	Quick coupling	8259C	1	√	√	√

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15	NRV	90380	1	X	√	√
16	NRV	90249	2	X	√	√
17	Valve	90381	2	X	√	√
18	Overflow valve	90247	1	√	√	√
19	4 Way valve	90254	2	X	√	√
20	Air Oiler	90180	1	√	√	√
21	Air Drier	90187/09	1	X	√	√
22	Water seperator	90181	1	√	√	√
23	Pn horn	90337	2	√	√	√
24	Pn Valve	90204	1	√	√	√
25	Drip cup	90356	5	X	√	√
26	Stop cock	90259	1	X	√	√
27	Valve	90346	2	√	√	√
28	Pn Valve	90344	27	X	√	√
29	Pn valve	90419/90420a	6	√	√	√
30	Pn valve	90189	7	√	√	√
31	Pressure gauge	90284	2	X	√	√
32	Pressure gauge	90283	2	X	√	√
33	Cooling coil	DL 90-37	1	X	√	√
34	All Pn cylinder's seals to be replaced	set	20	X	√	X
35	Hose connection	90267	1	X	X	√
36	Driver Brake Valve	90366	2	X	√	√
37	Brake Valve	90370	2	X	√	√
38	Reducing valve	90190	5	X	√	√
39	Swtch	90342	2	X	√	√
40	Swtch	90343	2	X	√	√
41	Clutch Cylinder	90233	1	√	√	√