

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR A934C 063551 - Front Right Planetary

Sample No: LH0246840

Oil Type: PETRO CANADA TRAXON 80W90



ABC RECYCLING
750C JACKSON RD
NANAIMO, BC
CA V9X 1J2

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SAMPLE INFORMATION

Sample Number	LH0246840	LH0260534	LH0224854	LH0224850
Sample Date	15 Nov 2023	30 Jun 2023	20 Mar 2023	18 Nov 2022
Machine Hours	18492	17789	17189	16666
Oil Hours	703	600	523	500
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL



OIL CONDITION

Visc @ 40°C	cSt	136	135	136	136



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	2	2	2	2
Sodium	ppm	2	2	2	2
Potassium	ppm	<1	<1	<1	<1



WEAR METALS

Iron	ppm	85	90	88	98
Copper	ppm	6	6	6	7
Lead	ppm	<1	0	<1	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	<1	0	<1
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	0	0	<1	<1
Nickel	ppm	<1	0	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	<1	0	0	0
Manganese	ppm	<1	1	1	1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	8	7	8	10
Magnesium	ppm	3	3	3	4
Zinc	ppm	13	14	15	16
Phosphorus	ppm	981	1022	1070	1055
Barium	ppm	<1	0	0	0
Boron	ppm	188	180	176	166

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: ABCNAN
Unique No: 5682708
Signed: Wes Davis
Report Date: 20 Nov 2023



GRAPHS

