

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR A934C 063551 - Front Left Planetary

Sample No: LH0260533

Oil Type: PETRO CANADA TRAXON 80W90



**ABC RECYCLING**

750C JACKSON RD

NANAIMO, BC

CA V9X 1J2

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#### SAMPLE INFORMATION

Sample Number	<b>LH0260533</b>	LH0246947	LH0224856	LH0226651
Sample Date	<b>30 Jun 2023</b>	20 Mar 2023	18 Nov 2022	09 Aug 2022
Machine Hours	<b>17789</b>	17189	16666	15521
Oil Hours	<b>600</b>	523	500	568
Oil Changed	<b>Changed</b>	Changed	Changed	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL



#### OIL CONDITION

Visc @ 40°C	cSt	<b>124</b>	120	132	132
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#### CONTAMINATION

Silicon	ppm	<b>13</b>	13	2	2
Sodium	ppm	<b>6</b>	5	2	2
Potassium	ppm	<b>5</b>	2	<1	1



#### WEAR METALS

Iron	ppm	<b>187</b>	95	42	44
Copper	ppm	<b>16</b>	12	6	7
Lead	ppm	<b>&lt;1</b>	<1	<1	<1
Tin	ppm	<b>0</b>	0	0	0
Aluminum	ppm	<b>3</b>	2	<1	<1
Chromium	ppm	<b>1</b>	<1	0	0
Molybdenum	ppm	<b>7</b>	9	2	3
Nickel	ppm	<b>&lt;1</b>	<1	<1	<1
Titanium	ppm	<b>&lt;1</b>	<1	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>3</b>	2	<1	<1
Vanadium	ppm	<b>0</b>	0	0	0



#### ADDITIVES

Calcium	ppm	<b>74</b>	67	47	60
Magnesium	ppm	<b>48</b>	57	38	48
Zinc	ppm	<b>139</b>	182	57	73
Phosphorus	ppm	<b>1038</b>	1037	1072	987
Barium	ppm	<b>&lt;1</b>	0	0	0
Boron	ppm	<b>132</b>	103	226	229

#### Diagnosis

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. Additive levels indicate the addition of a different brand, or type of oil. The condition of the oil is acceptable for the time in service.

Depot: ABCNAN

Unique No: 5605640

Signed: Wes Davis

Report Date: 07 Jul 2023

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### GRAPHS

