

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR A934 044096 - Swing Drive

Sample No: LH0284120

Oil Type: PETRO CANADA TRAXON SYNTHETIC 75W90



**Rypac Aluminum Recycling**  
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 Surrey, BC  
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#### SAMPLE INFORMATION

Sample Number	<b>LH0284120</b>	LH0260454	LH0206352	LH0173117
Sample Date	<b>15 Feb 2024</b>	20 Jun 2023	16 Jul 2021	24 Jun 2020
Machine Hours	<b>29318</b>	28300	24561	22582
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Changed</b>	Changed	Changed	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL



#### OIL CONDITION

Visc @ 40°C	cSt	<b>103</b>	94.1	92.9	93.7
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#### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>3</b>	1	2	<1
Sodium	ppm	<b>&lt;1</b>	<1	0	0
Potassium	ppm	<b>5</b>	<1	<1	<1



#### WEAR METALS

Iron	ppm	<b>210</b>	206	188	210
Copper	ppm	<b>30</b>	68	57	68
Lead	ppm	<b>1</b>	2	2	2
Tin	ppm	<b>&lt;1</b>	<1	<1	<1
Aluminum	ppm	<b>&lt;1</b>	<1	<1	<1
Chromium	ppm	<b>&lt;1</b>	<1	<1	1
Molybdenum	ppm	<b>0</b>	0	0	<1
Nickel	ppm	<b>&lt;1</b>	<1	<1	<1
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	<1
Manganese	ppm	<b>&lt;1</b>	2	1	2
Vanadium	ppm	<b>0</b>	0	0	0



#### ADDITIVES

Calcium	ppm	<b>12</b>	9	8	8
Magnesium	ppm	<b>2</b>	2	1	2
Zinc	ppm	<b>14</b>	14	11	14
Phosphorus	ppm	<b>1225</b>	1269	1393	1244
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>313</b>	280	337	293

#### 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: RYPSUR  
 Unique No: 5734585  
 Signed: Wes Davis  
 Report Date: 22 Feb 2024



### GRAPHS

