

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH50M 112359-1216 - Swing Drive

Sample No: LH0224994

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



**RICHMOND STEEL**  
12707 170 STREET  
EDMONTON, AB  
CA T5V 1L9  
Contact: Sandor Arguello

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F:

#### 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.



#### SAMPLE INFORMATION

Sample Number	LH0224994	LH0221788	LH0194305	LH0104864
Sample Date	24 May 2023	02 Nov 2022	18 Mar 2021	08 Oct 2020
Machine Hours	6000	5107	2076	1052
Oil Hours	0	0	0	0
Oil Changed	N/A	Changed	Changed	N/A
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL



#### OIL CONDITION

Visc @ 40°C	cSt	97.4	95.5	95.2	184
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#### CONTAMINATION

Silicon	ppm	<1	<1	<1	2
Sodium	ppm	1	1	1	6
Potassium	ppm	<1	0	<1	2



#### WEAR METALS

Iron	ppm	13	20	21	128
Copper	ppm	45	26	14	89
Lead	ppm	<1	<1	<1	3
Tin	ppm	<1	<1	<1	2
Aluminum	ppm	<1	<1	<1	<1
Chromium	ppm	0	0	<1	<1
Molybdenum	ppm	<1	3	<1	<1
Nickel	ppm	<1	<1	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	<1	<1
Manganese	ppm	<1	<1	<1	2
Vanadium	ppm	0	0	0	0



#### ADDITIVES

Calcium	ppm	24	41	29	43
Magnesium	ppm	5	22	1	1
Zinc	ppm	40	56	21	28
Phosphorus	ppm	1294	1421	1374	2174
Barium	ppm	0	<1	<1	9
Boron	ppm	269	197	229	8

Depot: RICEDM  
Unique No: 5580642  
Signed: Wes Davis  
Report Date: 25 May 2023



### GRAPHS

