

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH50M 112359-1216 - Rear Left Wheel Hub

Sample No: LH0269707

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	<b>LH0269707</b>	LH0225064	LH0221784	LH0151059
Sample Date	<b>03 Jan 2024</b>	24 May 2023	02 Nov 2022	17 Feb 2022
Machine Hours	<b>7308</b>	6000	5107	4009
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Changed</b>	N/A	Changed	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL



#### OIL CONDITION

Visc @ 40°C	cSt	<b>104</b>	101	107	176
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#### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>2</b>	2	4	2
Sodium	ppm	<b>&lt;1</b>	1	4	3
Potassium	ppm	<b>&lt;1</b>	<1	<1	<1



#### WEAR METALS

Iron	ppm	<b>10</b>	15	35	26
Copper	ppm	<b>20</b>	7	15	10
Lead	ppm	<b>&lt;1</b>	0	<1	0
Tin	ppm	<b>0</b>	0	0	0
Aluminum	ppm	<b>&lt;1</b>	<1	<1	<1
Chromium	ppm	<b>0</b>	0	0	<1
Molybdenum	ppm	<b>0</b>	0	0	0
Nickel	ppm	<b>&lt;1</b>	<1	<1	<1
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>0</b>	<1	1	<1
Vanadium	ppm	<b>0</b>	0	0	0



#### ADDITIVES

Calcium	ppm	<b>13</b>	23	4	6
Magnesium	ppm	<b>1</b>	2	<1	<1
Zinc	ppm	<b>20</b>	25	12	10
Phosphorus	ppm	<b>1214</b>	1338	1597	2262
Barium	ppm	<b>0</b>	0	0	<1
Boron	ppm	<b>292</b>	264	185	28

**Depot:** RICEDM  
**Unique No:** 5708282  
**Signed:** Kevin Marson  
**Report Date:** 08 Jan 2024



### GRAPHS

