

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH50M 094197-1216 - Front Right Wheel Hub

Sample No: LH0270002

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



#### SAMPLE INFORMATION

Sample Number	LH0270002	LH0251217	LH0225155	LH0225535
Sample Date	01 Nov 2023	13 Mar 2023	06 Oct 2022	09 Jun 2022
Machine Hours	23554	22266	21039	19989
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

#### INDUSTRIES GDS INC.

207 ROUTE 295  
VILLE-DEGELIS, QC  
CA G5T 1R1  
Contact: Martin Deschenes  
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T: (418)853-2566  
F:



#### OIL CONDITION

Visc @ 40°C	cSt	178	173	175	172
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#### CONTAMINATION

Silicon	ppm	7	8	4	7
Sodium	ppm	3	2	4	4
Potassium	ppm	0	<1	1	1



#### WEAR METALS

Iron	ppm	119	109	92	160
Copper	ppm	10	12	11	14
Lead	ppm	<1	<1	<1	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	2	2	<1	2
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	0	0	0	0
Nickel	ppm	<1	<1	<1	<1
Titanium	ppm	0	<1	<1	<1
Silver	ppm	<1	<1	0	0
Manganese	ppm	1	2	1	2
Vanadium	ppm	0	0	0	0



#### ADDITIVES

Calcium	ppm	9	6	10	12
Magnesium	ppm	<1	<1	<1	<1
Zinc	ppm	19	18	18	23
Phosphorus	ppm	2430	2346	2344	2335
Barium	ppm	<1	0	0	0
Boron	ppm	11	11	13	16

#### 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: INDVIL  
Unique No: 5681377  
Signed: Wes Davis  
Report Date: 14 Nov 2023

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### GRAPHS

