

# LIEBHERR

## CONSTRUCTION EQUIPMENT



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

Sample No: LH0284141

Oil Type: PETRO CANADA TRAXON SYNTHETIC 75W90



#### SAMPLE INFORMATION

Sample Number	LH0284141	LH0270003	LH0251216	LH0225156
Sample Date	18 Mar 2024	01 Nov 2023	13 Mar 2023	06 Oct 2022
Machine Hours	25297	23554	22266	21039
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	190	185	175	172



#### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	3	8	6	2
Sodium	ppm	3	3	2	3
Potassium	ppm	0	<1	<1	0



#### WEAR METALS

Iron	ppm	26	75	60	52
Copper	ppm	2	3	2	2
Lead	ppm	0	0	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	0	1	<1	<1
Chromium	ppm	0	<1	<1	0
Molybdenum	ppm	0	0	0	0
Nickel	ppm	0	<1	<1	<1
Titanium	ppm	0	0	<1	0
Silver	ppm	0	<1	0	0
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	0	0	0	0



#### ADDITIVES

Calcium	ppm	7	7	3	7
Magnesium	ppm	<1	1	0	<1
Zinc	ppm	10	10	8	10
Phosphorus	ppm	2287	2425	2373	2403
Barium	ppm	0	<1	0	0
Boron	ppm	3	13	12	21

#### 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: 5748943  
Signed: Wes Davis  
Report Date: 21 Mar 2024

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### GRAPHS

