

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50M 094197-1216 - Rear Right Wheel Hub

Sample No: LH0270005

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



SAMPLE INFORMATION

Sample Number	LH0270005	LH0251221	LH0221586	LH0225537
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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F:



OIL CONDITION

Visc @ 40°C	cSt	181	160	179	179
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CONTAMINATION

Silicon	ppm	4	6	2	2
Sodium	ppm	2	1	3	3
Potassium	ppm	0	0	0	<1



WEAR METALS

Iron	ppm	22	22	23	25
Copper	ppm	3	3	4	2
Lead	ppm	0	0	0	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	<1	<1	<1
Chromium	ppm	0	0	0	0
Molybdenum	ppm	0	0	0	0
Nickel	ppm	<1	<1	<1	0
Titanium	ppm	0	0	0	0
Silver	ppm	<1	0	0	0
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	12	45	7	8
Magnesium	ppm	<1	1	<1	<1
Zinc	ppm	12	43	6	9
Phosphorus	ppm	2378	2277	2370	2351
Barium	ppm	<1	0	0	0
Boron	ppm	2	3	2	3

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: 5681381
Signed: Wes Davis
Report Date: 14 Nov 2023

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GRAPHS

