

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50M 097459-1216 - Front Right Wheel Hub

Sample No: LH0250290

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



SAMPLE INFORMATION

Sample Number	LH0250290	LH0238569	LH0230416	LH0183922
Sample Date	31 May 2023	24 Oct 2022	05 May 2022	05 May 2022
Machine Hours	26834	1000	22049	22049
Oil Hours	0	0	0	0
Oil Changed	Changed	N/A	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

J.D. Irving

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Truro, NS
CA B2N 5C5
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F:



OIL CONDITION

Visc @ 40°C	cSt	88.1	90.8	97.9	87.8
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CONTAMINATION

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



WEAR METALS

Iron	ppm	36	49	25	48
Copper	ppm	7	8	<1	7
Lead	ppm	0	<1	0	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	<1	0	<1
Chromium	ppm	0	0	0	<1
Molybdenum	ppm	8	0	0	<1
Nickel	ppm	0	<1	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	156	23	7	14
Magnesium	ppm	122	2	2	3
Zinc	ppm	175	19	7	17
Phosphorus	ppm	1300	1309	1316	1316
Barium	ppm	0	0	0	0
Boron	ppm	262	302	320	314

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: JDITRU
Unique No: 5590894
Signed: Wes Davis
Report Date: 05 Jun 2023

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GRAPHS

