

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50M 150728-1216 - Front Left Wheel Hub

Sample No: LH0281110

Oil Type: PETRO CANADA TRAXON SYNTHETIC 75W90



ABC RECYCLING
 750C JACKSON RD
 NANAIMO, BC
 CA V9X 1J2
 Contact: Jordie Richmond
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Sample Information

Sample Number	LH0281110	LH0271870	LH0242073	---
Sample Date	29 Apr 2024	09 Feb 2024	21 Nov 2023	---
Machine Hours	1514	1066	500	---
Oil Hours	488	0	500	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---



Oil Condition

Visc @ 40°C	cSt	106	122	151	---
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Contamination

Water	%	NEG	NEG	NEG	---
Silicon	ppm	5	12	8	---
Sodium	ppm	6	7	5	---
Potassium	ppm	1	2	<1	---



Wear Metals

Iron	ppm	51	73	49	---
Copper	ppm	23	26	24	---
Lead	ppm	0	<1	<1	---
Tin	ppm	0	0	0	---
Aluminum	ppm	<1	2	<1	---
Chromium	ppm	0	<1	0	---
Molybdenum	ppm	0	0	0	---
Nickel	ppm	0	<1	<1	---
Titanium	ppm	0	0	0	---
Silver	ppm	0	<1	<1	---
Manganese	ppm	2	2	2	---
Vanadium	ppm	0	0	0	---



Additives

Calcium	ppm	26	17	8	---
Magnesium	ppm	2	<1	<1	---
Zinc	ppm	34	25	14	---
Phosphorus	ppm	1252	1253	1111	---
Barium	ppm	0	0	<1	---
Boron	ppm	210	106	2	---

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: ABCNAN
 Unique No: 5774775
 Signed: Wes Davis
 Report Date: 06 May 2024



Graphs

