

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH30M 139284-1253 - Front Left Wheel Hub

Sample No: LH0241883

Oil Type: TOTAL FINA TOTAL TRANSMISSION SYN NA 75W90



HUBERT & FILS

474 ROUTE 105
BOIS-FRANC, QC
CA J9E 3A9

Contact: Eric Brisebois
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Sample Information

Sample Number	LH0241883	LH0241900	LH0241888	---
Sample Date	16 Jul 2024	01 Mar 2024	05 Jan 2024	---
Machine Hours	5043	3900	3235	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---



Oil Condition

Visc @ 40°C	cSt	101	129	188	---
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Contamination

Water	%	NEG	NEG	NEG	---
Silicon	ppm	1	1	4	---
Sodium	ppm	3	2	3	---
Potassium	ppm	<1	<1	<1	---



Wear Metals

Iron	ppm	33	25	48	---
Copper	ppm	2	1	1	---
Lead	ppm	0	0	0	---
Tin	ppm	0	0	0	---
Aluminum	ppm	1	0	<1	---
Chromium	ppm	0	0	<1	---
Molybdenum	ppm	0	0	0	---
Nickel	ppm	<1	0	0	---
Titanium	ppm	0	0	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	<1	0	<1	---
Vanadium	ppm	0	0	0	---



Additives

Calcium	ppm	24	27	48	---
Magnesium	ppm	<1	<1	<1	---
Zinc	ppm	13	13	12	---
Phosphorus	ppm	1036	1486	2270	---
Barium	ppm	<1	<1	0	---
Boron	ppm	6	1	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: HUBBOI
Unique No: 5814308
Signed: Kevin Marson
Report Date: 19 Jul 2024



Graphs

