

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50M 110456-1216 - Front Right Wheel Hub

Sample No: LH0278425

Oil Type: PETRO CANADA TRAXON SYNTHETIC 75W90



J.D. Irving
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 Truro, NS
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SAMPLE INFORMATION

Sample Number	LH0278425	LH0234608	LH0246690	LH0230487
Sample Date	29 Jan 2024	01 Apr 2023	15 Dec 2022	25 Apr 2022
Machine Hours	18585	16012	0	13977
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	N/A	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL



OIL CONDITION

Visc @ 40°C	cSt	97.1	97.7	96.8	97.1



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	3	2	2	4
Sodium	ppm	<1	<1	1	<1
Potassium	ppm	<1	<1	0	<1



WEAR METALS

Iron	ppm	65	45	59	78
Copper	ppm	4	4	6	6
Lead	ppm	<1	0	<1	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	<1	<1	<1
Chromium	ppm	0	0	0	<1
Molybdenum	ppm	0	0	0	0
Nickel	ppm	<1	<1	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	<1	0	<1
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	13	17	14	10
Magnesium	ppm	1	2	2	2
Zinc	ppm	14	19	20	21
Phosphorus	ppm	1191	1313	1303	1311
Barium	ppm	0	0	0	<1
Boron	ppm	296	313	309	321

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: JDITRU
 Unique No: 5723838
 Signed: Wes Davis
 Report Date: 12 Feb 2024

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GRAPHS

