

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH50M 110456-1216 - Front Left Wheel Hub

Sample No: LH0278421

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



J.D. Irving

Truro Sawmill, 529 Valley Dale Road  
Truro, NS  
CA B2N 5C5  
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#### SAMPLE INFORMATION

Sample Number	LH0278421	LH0277111	LH0234607	LH0246691
Sample Date	29 Jan 2024	13 Oct 2023	01 Apr 2023	15 Dec 2022
Machine Hours	18585	17581	16012	0
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	N/A
Sample Status	ABNORMAL	NORMAL	NORMAL	NORMAL



#### OIL CONDITION

Visc @ 40°C	cSt	96.9	94.4	101	100
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#### CONTAMINATION

Water	%	0.493	NEG	NEG	NEG
Silicon	ppm	2	2	3	2
Sodium	ppm	2	2	<1	<1
Potassium	ppm	1	0	<1	0



#### WEAR METALS

Iron	ppm	30	64	23	24
Copper	ppm	3	5	4	6
Lead	ppm	0	<1	0	0
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	0	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	<1	0	0
Manganese	ppm	0	0	<1	<1
Vanadium	ppm	0	0	0	0



#### ADDITIVES

Calcium	ppm	14	22	62	12
Magnesium	ppm	1	2	2	1
Zinc	ppm	36	72	37	19
Phosphorus	ppm	914	1214	1328	1306
Barium	ppm	0	<1	0	0
Boron	ppm	214	286	313	317

#### Diagnosis

We advise that you check for the source of water entry. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. All component wear rates are normal. There is a moderate concentration of water present in the oil. The oil is no longer serviceable due to the presence of contaminants.

Depot: JDITRU  
Unique No: 5723861  
Signed: Kevin Marson  
Report Date: 13 Feb 2024



### GRAPHS

