

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### [ALLTERRA] LIEBHERR LH60M 65464 - Front Left Wheel Hub

Sample No: LH0281201

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



#### SAMPLE INFORMATION

Sample Number	LH0281201	LH0144861	LH	---
Sample Date	18 Jan 2024	31 Jul 2019	22 May 2019	---
Machine Hours	17608	15200	0	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Not Changd	N/A	---
Sample Status	NORMAL	NORMAL	NORMAL	---

#### Liebherr Canada

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 Richmond, BC  
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#### OIL CONDITION

Visc @ 40°C	cSt	125	133	132	---
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#### CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	<1	<1	<1	---
Sodium	ppm	10	12	12	---
Potassium	ppm	1286	1788	1738	---



#### WEAR METALS

Iron	ppm	30	22	17	---
Copper	ppm	8	9	7	---
Lead	ppm	<1	<1	<1	---
Tin	ppm	0	0	0	---
Aluminum	ppm	<1	<1	<1	---
Chromium	ppm	0	<1	0	---
Molybdenum	ppm	0	0	<1	---
Nickel	ppm	<1	0	<1	---
Titanium	ppm	0	<1	0	---
Silver	ppm	0	<1	0	---
Manganese	ppm	<1	<1	<1	---
Vanadium	ppm	0	0	0	---



#### ADDITIVES

Calcium	ppm	75	89	86	---
Magnesium	ppm	<1	<1	<1	---
Zinc	ppm	19	21	20	---
Phosphorus	ppm	579	506	497	---
Barium	ppm	1	<1	<1	---
Boron	ppm	1191	1640	1587	---

#### 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: LIERIC  
 Unique No: 5720049  
 Signed: Kevin Marson  
 Report Date: 25 Jan 2024



### GRAPHS

