

LIEBHERR

CONSTRUCTION EQUIPMENT



[ALLTERRA] LIEBHERR LH60M 65464 - Front Right Wheel Hub

Sample No: LH0281202

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



SAMPLE INFORMATION

Sample Number	LH0281202	LH0144862	LH	---
Sample Date	18 Jan 2024	31 Jul 2019	22 May 2019	---
Machine Hours	17608	15200	0	---
Oil Hours	0	0	0	---
Oil Changed	Not Changd	Not Changd	N/A	---
Sample Status	NORMAL	NORMAL	NORMAL	---

Liebherr Canada

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 Richmond, BC
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 T:
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OIL CONDITION

Visc @ 40°C	cSt	131	132	134	---
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CONTAMINATION

Water	%	NEG	NEG	0.139	---
Silicon	ppm	<1	<1	<1	---
Sodium	ppm	12	12	12	---
Potassium	ppm	1439	1702	1639	---



WEAR METALS

Iron	ppm	22	17	10	---
Copper	ppm	1	2	6	---
Lead	ppm	0	0	<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	0	---
Titanium	ppm	0	<1	<1	---
Silver	ppm	0	<1	0	---
Manganese	ppm	0	<1	<1	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	93	91	86	---
Magnesium	ppm	<1	<1	<1	---
Zinc	ppm	19	19	20	---
Phosphorus	ppm	507	518	498	---
Barium	ppm	2	2	1	---
Boron	ppm	1292	1546	1476	---

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: 5720040
 Signed: Kevin Marson
 Report Date: 25 Jan 2024



GRAPHS

