

LIEBHERR

CONSTRUCTION EQUIPMENT



[ALLTERRA] LIEBHERR LH60M 65464 - Front Differential

Sample No: LH0281200

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



Liebherr Canada

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 Richmond, BC
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SAMPLE INFORMATION

Sample Number	LH0281200	LH0144859	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	---



OIL CONDITION

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

Water	%	NEG	NEG	NEG	---
Silicon	ppm	<1	<1	2	---
Sodium	ppm	13	12	12	---
Potassium	ppm	1620	1892	1813	---



WEAR METALS

Iron	ppm	3	2	4	---
Copper	ppm	33	27	26	---
Lead	ppm	1	<1	<1	---
Tin	ppm	0	0	0	---
Aluminum	ppm	<1	<1	<1	---
Chromium	ppm	0	0	0	---
Molybdenum	ppm	0	0	<1	---
Nickel	ppm	<1	0	0	---
Titanium	ppm	0	0	0	---
Silver	ppm	0	<1	1	---
Manganese	ppm	0	<1	<1	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	83	87	83	---
Magnesium	ppm	<1	<1	1	---
Zinc	ppm	24	25	24	---
Phosphorus	ppm	478	493	474	---
Barium	ppm	<1	<1	<1	---
Boron	ppm	1471	1755	1688	---

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: 5720051
 Signed: Wes Davis
 Report Date: 24 Jan 2024



GRAPHS

