

LIEBHERR

CONSTRUCTION EQUIPMENT



[ALLTERRA] LIEBHERR LH60M 65464 - Rear Right Wheel Hub

Sample No: LH0281204

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



SAMPLE INFORMATION

Sample Number	LH0281204	LH0144864	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

140 - 21320 Gordon Way
 Richmond, BC
 CA V6W 1J8
 Contact: Kevin Steer
 kevin.steer@liebherr.com
 T:
 F: (604)270-3254



OIL CONDITION

Visc @ 40°C	cSt	130	132	132	---
-------------	-----	-----	-----	-----	-----



CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	1	<1	1	---
Sodium	ppm	12	12	12	---
Potassium	ppm	1626	1774	1734	---



WEAR METALS

Iron	ppm	7	6	5	---
Copper	ppm	46	40	35	---
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	0	0	0	---
Titanium	ppm	0	0	0	---
Silver	ppm	0	<1	0	---
Manganese	ppm	0	<1	<1	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	87	85	86	---
Magnesium	ppm	<1	<1	1	---
Zinc	ppm	34	34	32	---
Phosphorus	ppm	493	482	492	---
Barium	ppm	1	1	<1	---
Boron	ppm	1526	1624	1588	---

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: 5720050
 Signed: Kevin Marson
 Report Date: 25 Jan 2024



GRAPHS

