

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH60M 107906 - Front Right Wheel Hub

Sample No: LH

Oil Type: LIEBHERR GEAR BASIC 90 LS



LIEBHERR CANADA

10 LYNDS AVENUE
MONCTON, NB
CA E1H 3K2

Contact: Bryan Wood
bryan.wood@liebherr.com
T:
F: (506)854-2940



Sample Information

Sample Number	LH	LH	LH0250182	---
Sample Date	17 Jun 2024	12 Apr 2023	09 Jan 2023	---
Machine Hours	3725	3721	3715	---
Oil Hours	0	0	0	---
Oil Changed	N/A	N/A	Not Changd	---
Sample Status	NORMAL	NORMAL	NORMAL	---



Oil Condition

Visc @ 40°C	cSt	186	185	187	---
-------------	-----	-----	-----	-----	-----



Contamination

Water	%	NEG	NEG	NEG	---
Silicon	ppm	5	6	5	---
Sodium	ppm	9	9	9	---
Potassium	ppm	1	0	1	---



Wear Metals

Iron	ppm	27	29	25	---
Copper	ppm	1	2	1	---
Lead	ppm	0	0	<1	---
Tin	ppm	0	0	0	---
Aluminum	ppm	<1	<1	<1	---
Chromium	ppm	0	0	0	---
Molybdenum	ppm	0	<1	<1	---
Nickel	ppm	<1	<1	<1	---
Titanium	ppm	0	0	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	<1	<1	<1	---
Vanadium	ppm	0	0	0	---



Additives

Calcium	ppm	43	49	42	---
Magnesium	ppm	1	<1	<1	---
Zinc	ppm	20	17	16	---
Phosphorus	ppm	2291	2427	2334	---
Barium	ppm	<1	0	0	---
Boron	ppm	2	2	3	---

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: LIEMON
Unique No: 5800548
Signed: Wes Davis
Report Date: 19 Jun 2024



Graphs

