

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50M 144157-1216 - Front Right Wheel Hub

Sample No: LH0255459

Oil Type: GEAR OIL SAE 80W90



CALGARY METALS (1985) LTD.
 3415 OGDEN RD. SE.
 CALGARY, AB
 CA T2G 4N4
 Contact: Steve Goodzeck
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 T: (403)262-4542
 F:



Sample Information

Sample Number	LH0255459	LH0255447	LH0225080	---
Sample Date	21 Jun 2024	17 Nov 2023	15 Feb 2023	---
Machine Hours	3338	2077	472	---
Oil Hours	0	0	0	---
Oil Changed	N/A	N/A	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---



Oil Condition

Visc @ 40°C	cSt	121	125	144	---
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Contamination

Water	%	NEG	NEG	NEG	---
Silicon	ppm	27	26	32	---
Sodium	ppm	5	4	5	---
Potassium	ppm	3	1	3	---



Wear Metals

Iron	ppm	75	64	43	---
Copper	ppm	53	49	24	---
Lead	ppm	1	2	<1	---
Tin	ppm	0	0	<1	---
Aluminum	ppm	3	3	3	---
Chromium	ppm	<1	0	<1	---
Molybdenum	ppm	5	5	8	---
Nickel	ppm	<1	<1	0	---
Titanium	ppm	<1	0	<1	---
Silver	ppm	0	<1	0	---
Manganese	ppm	4	3	3	---
Vanadium	ppm	0	0	0	---



Additives

Calcium	ppm	143	144	283	---
Magnesium	ppm	2	2	2	---
Zinc	ppm	75	70	75	---
Phosphorus	ppm	1280	1345	1582	---
Barium	ppm	<1	<1	<1	---
Boron	ppm	76	82	6	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: CAL341CAL
 Unique No: 5802216
 Signed: Kevin Marson
 Report Date: 03 Jul 2024



Graphs

