

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH30M 145272-1253 - Rear Differential

Sample No: LH

Oil Type: GEAR OIL SAE 80W90



SAMPLE INFORMATION

Sample Number	LH	LH0250160	LH0250172	---
Sample Date	14 Mar 2024	08 Sep 2023	05 Jun 2023	---
Machine Hours	2004	1004	500	---
Oil Hours	0	0	500	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---

Industrial Metals

550 Messier St.
Winnipeg, MB
CA R2J 0G5
Contact: Service Manager



OIL CONDITION

Visc @ 40°C	cSt	181	184	64.7	---
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T:
F:



CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	3	2	8	---
Sodium	ppm	2	2	15	---
Potassium	ppm	<1	<1	1	---

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.



WEAR METALS

Iron	ppm	22	4	10	---
Copper	ppm	<1	<1	4	---
Lead	ppm	0	<1	<1	---
Tin	ppm	0	0	0	---
Aluminum	ppm	<1	<1	<1	---
Chromium	ppm	<1	0	<1	---
Molybdenum	ppm	0	0	0	---
Nickel	ppm	<1	<1	<1	---
Titanium	ppm	0	0	<1	---
Silver	ppm	0	0	0	---
Manganese	ppm	<1	<1	2	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	98	195	3779	---
Magnesium	ppm	2	1	11	---
Zinc	ppm	28	88	1426	---
Phosphorus	ppm	2376	2272	1224	---
Barium	ppm	0	0	<1	---
Boron	ppm	2	5	99	---

Depot: IND550WIN
Unique No: 5748258
Signed: Wes Davis
Report Date: 19 Mar 2024



GRAPHS

