

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50M 138820-1216 - Front Differential

Sample No: LH0279435

Oil Type: GEAR OIL SAE 80W90



SAMPLE INFORMATION

Sample Number	LH0279435	LH0260709	LH	---
Sample Date	11 Dec 2023	26 May 2023	26 Mar 2023	---
Machine Hours	2140	950	524	---
Oil Hours	0	0	0	---
Oil Changed	N/A	N/A	N/A	---
Sample Status	NORMAL	NORMAL	NORMAL	---

D.P. Metal Inc.

373A Chemin Grande-Ligne

Saint-Urbain Premier, QC

CA J0S 1Y0

Contact: Service .



OIL CONDITION

Visc @ 40°C	cSt	178	183	184	---
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T: (450)427-0506

F:



CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	<1	0	2	---
Sodium	ppm	2	2	2	---
Potassium	ppm	0	<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	3	1	4	---
Copper	ppm	15	4	5	---
Lead	ppm	<1	0	<1	---
Tin	ppm	0	0	0	---
Aluminum	ppm	<1	0	0	---
Chromium	ppm	0	0	0	---
Molybdenum	ppm	0	0	0	---
Nickel	ppm	<1	0	0	---
Titanium	ppm	0	0	0	---
Silver	ppm	<1	0	0	---
Manganese	ppm	0	0	<1	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	8	4	4	---
Magnesium	ppm	<1	<1	<1	---
Zinc	ppm	11	4	10	---
Phosphorus	ppm	2311	2496	1236	---
Barium	ppm	<1	10	359	---
Boron	ppm	<1	<1	2	---

Depot: DPMSAI

Unique No: 5696980

Signed: Wes Davis

Report Date: 18 Dec 2023



GRAPHS

