

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50M 138820-1216 - Rear Differential

Sample No: LH0279432

Oil Type: GEAR OIL SAE 80W90



SAMPLE INFORMATION

Sample Number	LH0279432	LH0260707	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	177	170	142	---
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T: (450)427-0506

F:



CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	2	2	7	---
Sodium	ppm	4	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	25	12	17	---
Copper	ppm	16	7	10	---
Lead	ppm	<1	0	<1	---
Tin	ppm	0	0	0	---
Aluminum	ppm	<1	<1	<1	---
Chromium	ppm	0	0	0	---
Molybdenum	ppm	0	<1	2	---
Nickel	ppm	<1	0	<1	---
Titanium	ppm	0	0	0	---
Silver	ppm	<1	0	0	---
Manganese	ppm	<1	<1	<1	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	23	68	264	---
Magnesium	ppm	<1	<1	1	---
Zinc	ppm	18	16	52	---
Phosphorus	ppm	2313	2569	1541	---
Barium	ppm	<1	<1	<1	---
Boron	ppm	3	5	10	---

Depot: DPMSAI

Unique No: 5696983

Signed: Wes Davis

Report Date: 18 Dec 2023



GRAPHS

