

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH30M 138696-1253 - Rear Differential

Sample No: LH0279134

Oil Type: LIEBHERR GEAR BASIC 90 LS



METAUX 139 INC.
86 RTE MARIE-VICTORIN
PIERREVILLE, QC
CA J0G 1J0
Contact: Service Manager



SAMPLE INFORMATION

Sample Number	LH0279134	LH0256076	LH0250763	---
Sample Date	26 Jan 2024	14 Jun 2023	15 Feb 2023	---
Machine Hours	3129	1925	1202	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---



OIL CONDITION

Visc @ 40°C	cSt	186	150	64.2	---
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T:
F:



CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	3	2	9	---
Sodium	ppm	2	4	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	8	5	12	---
Copper	ppm	1	2	5	---
Lead	ppm	0	0	<1	---
Tin	ppm	0	0	0	---
Aluminum	ppm	<1	<1	<1	---
Chromium	ppm	0	0	<1	---
Molybdenum	ppm	0	0	0	---
Nickel	ppm	<1	<1	<1	---
Titanium	ppm	0	0	<1	---
Silver	ppm	0	<1	0	---
Manganese	ppm	0	<1	3	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	153	489	3656	---
Magnesium	ppm	2	2	11	---
Zinc	ppm	54	246	1426	---
Phosphorus	ppm	2229	2212	1245	---
Barium	ppm	0	0	<1	---
Boron	ppm	4	16	100	---

Depot: MET126WIC
Unique No: 5721297
Signed: Wes Davis
Report Date: 30 Jan 2024



GRAPHS

