

LIEBHERR

CONSTRUCTION EQUIPMENT



[(361220)] LIEBHERR LH50M 134706-1216 - Rear Differential

Sample No: LH

Oil Type: GEAR OIL SAE 80W90



SAMPLE INFORMATION

Sample Number	LH	LH0250103	LH0242824	LH0213743
Sample Date	12 Sep 2023	27 Mar 2023	31 Oct 2022	23 Apr 2022
Machine Hours	4000	2020	2020	1000
Oil Hours	0	0	0	0
Oil Changed	Changed	N/A	N/A	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

Industrial Metals

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



OIL CONDITION

Visc @ 40°C	cSt	178	179	170	138
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T:
F:



CONTAMINATION

Silicon	ppm	2	1	3	13
Sodium	ppm	4	4	3	3
Potassium	ppm	<1	<1	<1	0

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	14	7	12	22
Copper	ppm	3	2	7	10
Lead	ppm	0	<1	<1	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	0	<1	<1
Chromium	ppm	0	0	0	<1
Molybdenum	ppm	0	0	<1	4
Nickel	ppm	<1	0	<1	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	<1	0
Manganese	ppm	<1	<1	<1	1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	20	18	81	294
Magnesium	ppm	<1	<1	<1	2
Zinc	ppm	9	10	22	77
Phosphorus	ppm	2376	2451	2386	1579
Barium	ppm	0	0	0	2
Boron	ppm	2	1	5	9

Depot: IND550WIN
Unique No: 5644332
Signed: Wes Davis
Report Date: 18 Sep 2023



GRAPHS

