

LIEBHERR

CONSTRUCTION EQUIPMENT



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

Sample No: LH

Oil Type: GEAR OIL SAE 80W90



SAMPLE INFORMATION

Sample Number	LH	LH0250095	LH0242828	LH0213737
Sample Date	17 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	N/A	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	176	181	178	185
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T:
F:



CONTAMINATION

Silicon	ppm	<1	<1	<1	3
Sodium	ppm	2	2	2	3
Potassium	ppm	<1	0	0	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	2	2	3	11
Copper	ppm	3	1	5	7
Lead	ppm	0	<1	<1	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	0	0	<1
Chromium	ppm	0	0	0	<1
Molybdenum	ppm	0	0	0	0
Nickel	ppm	<1	<1	<1	0
Titanium	ppm	0	0	0	0
Silver	ppm	<1	0	0	0
Manganese	ppm	0	<1	<1	1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	14	8	8	6
Magnesium	ppm	<1	<1	0	<1
Zinc	ppm	4	5	6	7
Phosphorus	ppm	2476	2530	2453	1205
Barium	ppm	0	0	6	366
Boron	ppm	<1	1	1	2

Depot: IND550WIN
Unique No: 5644328
Signed: Wes Davis
Report Date: 18 Sep 2023



GRAPHS

