

LIEBHERR

CONSTRUCTION EQUIPMENT



[(361220)] LIEBHERR LH50M 134706-1216 - Front Left Wheel

Sample No: LH

Oil Type: GEAR OIL SAE 80W90



SAMPLE INFORMATION

Sample Number	LH	LH0250097	LH0242826	LH0213736
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	173	171	161	138
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T:
F:



CONTAMINATION

Silicon	ppm	14	13	16	33
Sodium	ppm	16	12	6	5
Potassium	ppm	2	1	2	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	48	39	41	62
Copper	ppm	10	11	18	20
Lead	ppm	<1	1	<1	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	2	2	2	3
Chromium	ppm	<1	0	0	<1
Molybdenum	ppm	<1	<1	2	4
Nickel	ppm	<1	<1	<1	<1
Titanium	ppm	0	<1	<1	<1
Silver	ppm	0	<1	0	0
Manganese	ppm	2	2	3	4
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	75	116	126	216
Magnesium	ppm	2	2	2	2
Zinc	ppm	50	44	45	95
Phosphorus	ppm	2418	2411	2098	1498
Barium	ppm	0	0	0	<1
Boron	ppm	3	5	4	4

Depot: IND550WIN
Unique No: 5644327
Signed: Wes Davis
Report Date: 18 Sep 2023



GRAPHS

