

LIEBHERR

CONSTRUCTION EQUIPMENT



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

Sample No: LH

Oil Type: GEAR OIL SAE 80W90



SAMPLE INFORMATION

Sample Number	LH	LH0250096	LH0242823	LH0213733
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	174	173	161	138
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T:
F:



CONTAMINATION

Silicon	ppm	13	12	15	31
Sodium	ppm	15	12	6	6
Potassium	ppm	2	1	2	3

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	40	35	42	60
Copper	ppm	4	4	8	10
Lead	ppm	0	<1	<1	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	2	1	1	3
Chromium	ppm	0	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	<1	0
Manganese	ppm	2	2	2	4
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	87	108	127	224
Magnesium	ppm	2	1	2	2
Zinc	ppm	42	38	38	91
Phosphorus	ppm	2371	2438	2144	1505
Barium	ppm	0	0	0	<1
Boron	ppm	3	3	4	5

Depot: IND550WIN
Unique No: 5644331
Signed: Wes Davis
Report Date: 18 Sep 2023



GRAPHS

