

# LIEBHERR

## CONSTRUCTION EQUIPMENT



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

Sample No: LH

Oil Type: GEAR OIL SAE 80W90



#### SAMPLE INFORMATION

Sample Number	LH	LH0250102	LH0242830	LH0213738
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	177	179	169	138
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T:  
F:



#### CONTAMINATION

Silicon	ppm	3	2	4	15
Sodium	ppm	4	5	4	3
Potassium	ppm	<1	0	<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	15	15	17	30
Copper	ppm	3	2	6	8
Lead	ppm	0	<1	<1	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	<1	<1	<1
Chromium	ppm	0	0	0	<1
Molybdenum	ppm	0	0	<1	4
Nickel	ppm	<1	<1	<1	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	1
Vanadium	ppm	0	0	0	0



#### ADDITIVES

Calcium	ppm	20	34	91	280
Magnesium	ppm	<1	<1	<1	2
Zinc	ppm	9	14	24	76
Phosphorus	ppm	2371	2497	2403	1568
Barium	ppm	0	0	0	1
Boron	ppm	2	2	4	8

Depot: IND550WIN  
Unique No: 5644333  
Signed: Wes Davis  
Report Date: 18 Sep 2023



### GRAPHS

