

# 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	LH	LH0250097	LH0242826
Sample Date	15 Feb 2024	17 Sep 2023	27 Mar 2023	31 Oct 2022
Machine Hours	5100	4000	2020	2020
Oil Hours	0	0	0	0
Oil Changed	Changed	N/A	N/A	N/A
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	183	173	171	161
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T:  
F:



#### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	12	14	13	16
Sodium	ppm	7	16	12	6
Potassium	ppm	1	2	1	2

#### 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	39	48	39	41
Copper	ppm	6	10	11	18
Lead	ppm	<1	<1	1	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	2	2	2	2
Chromium	ppm	0	<1	0	0
Molybdenum	ppm	<1	<1	<1	2
Nickel	ppm	<1	<1	<1	<1
Titanium	ppm	0	0	<1	<1
Silver	ppm	0	0	<1	0
Manganese	ppm	<1	2	2	3
Vanadium	ppm	0	0	0	0



#### ADDITIVES

Calcium	ppm	37	75	116	126
Magnesium	ppm	10	2	2	2
Zinc	ppm	35	50	44	45
Phosphorus	ppm	2249	2418	2411	2098
Barium	ppm	0	0	0	0
Boron	ppm	1	3	5	4

Depot: IND550WIN  
Unique No: 5733877  
Signed: Wes Davis  
Report Date: 20 Feb 2024



### GRAPHS

