

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### [[20230600]] LIEBHERR LH30M 135986 - Front Differential

Sample No: LH0278484

Oil Type: GEAR OIL SAE 80W90



#### SAMPLE INFORMATION

Sample Number	LH0278484	LH0265909	LH0242767	LH0234413
Sample Date	22 Dec 2023	23 Mar 2023	22 Dec 2022	05 Jul 2022
Machine Hours	3966	0	1972	0
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	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	174	64.2
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T:  
F:



#### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	1	1	<1	10
Sodium	ppm	<1	<1	2	14
Potassium	ppm	0	0	<1	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	3	4	7	10
Copper	ppm	<1	<1	<1	2
Lead	ppm	0	0	<1	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	<1	<1	1
Chromium	ppm	0	0	0	<1
Molybdenum	ppm	0	0	0	0
Nickel	ppm	<1	<1	<1	<1
Titanium	ppm	0	0	0	<1
Silver	ppm	0	<1	0	0
Manganese	ppm	0	<1	<1	7
Vanadium	ppm	0	0	0	0



#### ADDITIVES

Calcium	ppm	3	21	105	3748
Magnesium	ppm	<1	2	<1	12
Zinc	ppm	5	9	41	1448
Phosphorus	ppm	2281	2328	2460	1162
Barium	ppm	0	0	0	<1
Boron	ppm	<1	1	4	102

Depot: IND550WIN  
Unique No: 5707700  
Signed: Wes Davis  
Report Date: 04 Jan 2024



### GRAPHS

