

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH50M 117616-1216 - Rear Left Wheel Hub

Sample No: LH0278604

Oil Type: SAE 80W90



**LIEBHERR CANADA LTD.**  
 1015 SUTTON DRIVE  
 BURLINGTON, ON  
 CA L7L 5Z8  
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#### SAMPLE INFORMATION

Sample Number	LH0278604	LH0277499	LH0265694	LH0257031
Sample Date	08 Feb 2024	05 Nov 2023	11 Jun 2023	12 Apr 2023
Machine Hours	14242	14022	12860	12345
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL



#### OIL CONDITION

Visc @ 40°C	cSt	103	101	104	97.7
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#### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	3	2	2	1
Sodium	ppm	2	1	<1	<1
Potassium	ppm	2	0	0	0



#### WEAR METALS

Iron	ppm	11	10	6	7
Copper	ppm	2	10	4	4
Lead	ppm	0	0	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	0	0	<1
Chromium	ppm	0	0	0	0
Molybdenum	ppm	0	0	<1	0
Nickel	ppm	<1	<1	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	<1	0	0
Manganese	ppm	0	0	0	0
Vanadium	ppm	0	0	0	0



#### ADDITIVES

Calcium	ppm	114	12	9	12
Magnesium	ppm	2	2	6	2
Zinc	ppm	58	20	22	25
Phosphorus	ppm	989	1247	1387	1341
Barium	ppm	0	<1	0	0
Boron	ppm	235	313	304	307

#### 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.

Depot: LIEMIS  
 Unique No: 5723856  
 Signed: Wes Davis  
 Report Date: 12 Feb 2024



### GRAPHS

