

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH50 137429 - Rear Axle

Sample No: LH0284885

Oil Type: GEAR OIL SAE 75W90



**CMI - COMBINED METAL INDUSTRIES**  
 505 GARY RAY DRIVE  
 NORTH YORK, ON  
 CA M9L 1P9  
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#### SAMPLE INFORMATION

Sample Number	LH0284885	LH0247028	LH0251878	LH0247242
Sample Date	01 Feb 2024	11 Jun 2023	23 Feb 2023	02 Dec 2022
Machine Hours	8133	5689	4360	3290
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL



#### OIL CONDITION

Visc @ 40°C	cSt	101	103	101	101



#### CONTAMINATION

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



#### WEAR METALS

Iron	ppm	7	7	6	8
Copper	ppm	13	9	5	12
Lead	ppm	<1	0	<1	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	0	<1	0
Chromium	ppm	0	0	0	0
Molybdenum	ppm	0	0	0	0
Nickel	ppm	0	0	0	<1
Titanium	ppm	0	0	0	0
Silver	ppm	<1	0	0	0
Manganese	ppm	0	<1	0	<1
Vanadium	ppm	0	0	0	0



#### ADDITIVES

Calcium	ppm	10	11	13	22
Magnesium	ppm	2	1	2	2
Zinc	ppm	15	13	13	13
Phosphorus	ppm	1263	1355	1346	1331
Barium	ppm	0	0	0	0
Boron	ppm	310	301	302	310

#### 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: COMWES  
 Unique No: 5733498  
 Signed: Wes Davis  
 Report Date: 20 Feb 2024



### GRAPHS

