# LIEBHERR

# **CONSTRUCTION EQUIPMENT**

## LIEBHERR LH50 137429 - Rear Right Wheel Hub

Sample No: LH0284888

Oil Type: GEAR OIL SAE 75W90

<b>5</b>				
SAMP	LE INFORMATION			
Sample Number	LH0284888	LH0274507	LH0247029	LH0251879
Sample Date	01 Feb 2024	20 Aug 2023	11 Jun 2023	23 Feb 2023
Machine Hours	8133	6359	5689	4360
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	N/A	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL
OIL CO	NDITION			
Visc @ 40°C	cSt 0102	O 103	O 103	O 101

CONT	AMINATIO	ON			
Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>1</b>	O 2	02	O 2
Sodium	ppm	<b></b> <1	O <1	O <1	O <1
Potassium	ppm	<b>0</b> <1	<b>0</b>	O 0	O <1

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₩ WEA	AR META	LS			
Iron	ppm	<b>8</b>	<b>9</b>	<b>7</b>	0 8
Copper	ppm	<b>12</b>	O 15	0 8	<b>6</b>
Lead	ppm	<b>○</b> <1	O <1	O 0	O <1
Tin	ppm	<b>0</b>	O 0	O 0	0
Aluminum	ppm	<1	O <1	<1	O <1
Chromium	ppm	<b>0</b>	O 0	O 0	0
Molybdenum	ppm	<b>0</b>	<b>0</b>	O	0
Nickel	ppm	<b>0</b>	O <1	O 0	O <1
Titanium	ppm	0	0	0	0
Silver	ppm	0	<1	0	0
Manganese	ppm	<b>0</b>	<b>0</b>	<1	O <1
Vanadium	ppm	0	0	0	0

Vanadium	ppm	0	0	0	0
ADD	ITIVES				
Calcium	ppm	<b>10</b>	<b>1</b> 7	<b>1</b> 3	O 15
Magnesium	ppm	<b>1</b>	O 2	<b>1</b>	O 2
Zinc	ppm	<b>15</b>	<b>1</b> 7	<b>1</b> 3	<b>14</b>
Phosphorus	ppm	<b>1251</b>	O 1324	<b>1409</b>	O 1372
Barium	ppm	<b>0</b>	0	O	O 0
Boron	ppm	<b>310</b>	○ 339	○ 312	○ 307



CMI - COMBINED METAL INDUSTRIES 505 GARY RAY DRIVE NORTH YORK, ON CA M9L 1P9 Contact: Greg Sacher gsacher@combinedmetal.com T: (416)642-7262 F:

### Diagnosis

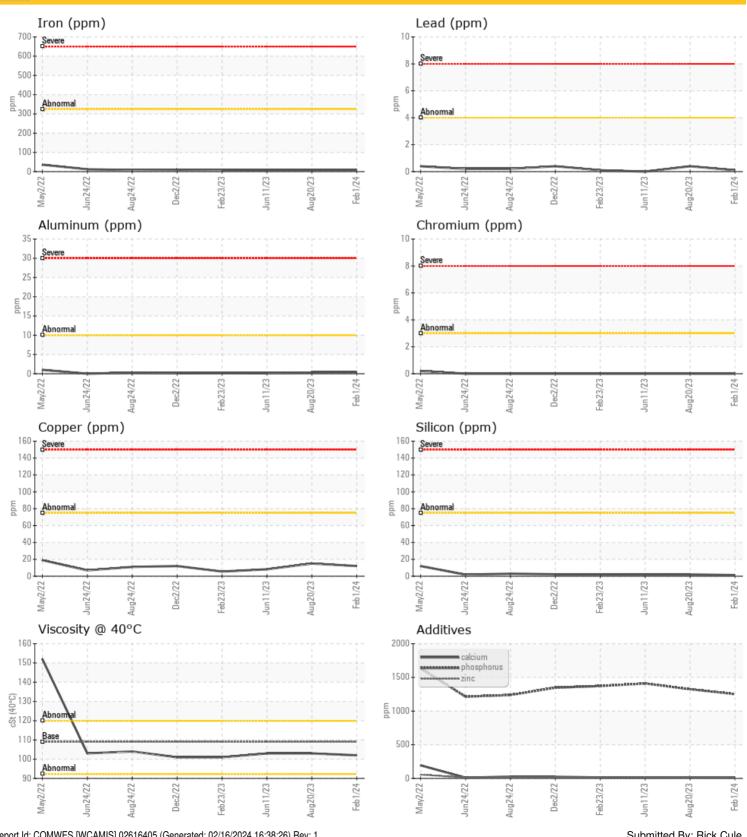
Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot:COMWESUnique No:5733515Signed:Wes DavisReport Date:16 Feb 2024





#### **GRAPHS**



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