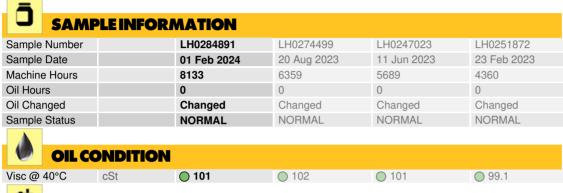
# **CONSTRUCTION EQUIPMENT**

## LIEBHERR LH50 137429 - Swing Drive

Sample No: LH0284891

Oil Type: **GEAR OIL SAE 75W90** 



CONTAMINATION								
Water	%	NEG	NEG	NEG	NEG			
Silicon	ppm	<b>0</b> 1	O 2	O 2	0 1			
Sodium	ppm	<b>()</b> <1	O <1	<1	O <1			
Potassium	ppm	<b>○</b> <1	O <1	O <1	0			

(O) WE					
WEA	AR META	LS			
Iron	ppm	<b>52</b>	O 251	<b>239</b>	O 258
Copper	ppm	<b>34</b>	○ 80	<b>85</b>	<b>9</b> 4
Lead	ppm	<1	O 2	O 2	<b>3</b>
Tin	ppm	<b>○</b> <1	O <1	<1	O 1
Aluminum	ppm	<1	O 0	<1	O <1
Chromium	ppm	<b>○</b> <1	<b>3</b>	<b>3</b>	<b>3</b>
Molybdenum	ppm	<b>0</b>	O <1	O 0	O 0
Nickel	ppm	<b>○</b> <1	O <1	<1	O <1
Titanium	ppm	0	0	0	0
Silver	ppm	0	1	<1	0
Manganese	ppm	<b>0</b>	O 2	O 2	O 2
Vanadium	ppm	0	0	0	0

vanadium	ppm	U	U	U	0		
ADDI							
ADDITIVES							
Calcium	ppm	<b>9</b>	O 12	<b>5</b>	<b>10</b>		
Magnesium	ppm	<b>2</b>	O 2	<b>1</b>	O 2		
Zinc	ppm	<b>10</b>	<b>10</b>	<b>9</b>	<b>10</b>		
Phosphorus	ppm	<b>1247</b>	O 1332	O 1374	<b>1360</b>		
Barium	ppm	<b>0</b>	0	0	O 0		
Boron	ppm	<b>307</b>	○ 339	○ 305	○ 304		



**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: **COMWES** Unique No: 5733512 Signed: Wes Davis **Report Date:** 16 Feb 2024

CONSTRUCTION EQUIPMENT





### **GRAPHS**

