## LIEBHERR

## **CONSTRUCTION EQUIPMENT**

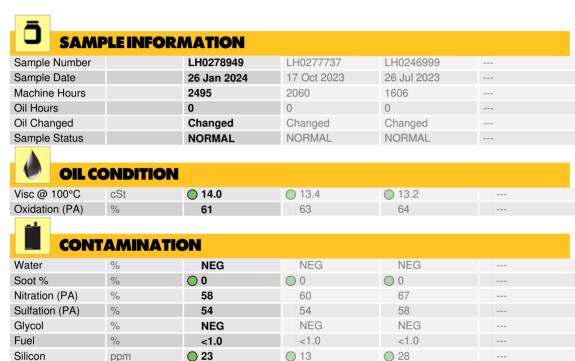
## LIEBHERR R924 054969-1487 - Diesel Engine

Sample No: LH0278949

Sodium

Potassium

Oil Type: PETRO CANADA 10W40



WEAR METALS								
Iron	ppm	<b>12</b>	O 13	<b>18</b>				
Copper	ppm	<b>0</b> <1	0 1	O 2				
Lead	ppm	<b>0</b>	O <1	O <1				
Tin	ppm	<b>0</b>	O 0	0				
Aluminum	ppm	<b>2</b>	<b>1</b>	O 1				
Chromium	ppm	<b>0</b> <1	O 0	O <1				
Molybdenum	ppm	<b>58</b>	O 61	<b>59</b>				
Nickel	ppm	<b>0</b>	O <1	O 0				
Titanium	ppm	0	0	0				
Silver	ppm	<b>0</b>	O <1	0				
Manganese	ppm	<b>0</b>	O 0	O <1				
Vanadium	ppm	0	0	0				

02

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ADDITIVES								
Calcium	ppm	<b>1071</b>	O 1064					
Magnesium	ppm	<b>970</b>	994	1021				
Zinc	ppm	<b>1173</b>	O 1212	O 1224				
Phosphorus	ppm	<b>992</b>	O 1002	<b>1050</b>				
Barium	ppm	<b>0</b>	<1	O 0				
Boron	ppm	<b>3</b>	<b>O</b> 4	<b>5</b>				



#### **CLOUTHIER VENTURES LTD.**

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#### 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: CLOPEM
Unique No: 5722786
Signed: Wes Davis
Report Date: 06 Feb 2024

**2** 

<1</p>

ppm

ppm

# LIEBHERR







### **GRAPHS**

