



Sample No: LH0277597 Oil Type: {unknown}

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SAM	PLE INFO	<b>PRMATION</b>		
Sample Number		LH0277597	LH0277598	 
Sample Date		13 Mar 2024	13 Mar 2024	 
Machine Hours		0	0	 
Oil Hours		0	0	 
Oil Changed		N/A	N/A	 
Sample Status		NORMAL	NORMAL	 
OILC	ONDITIO	ON		
Visc @ 100°C	cSt	<b>13.6</b>	O 13.4	 
Oxidation (PA)	%	41	44	 
-4				
CON	TAMINA	TION		
Water	%	NEG	NEG	 
Soot %	%	0.1	0.7	 
Nitration (PA)	%	55	67	 
Sulfation (PA)	%	45	49	 
Glycol	%	NEG	NEG	 
Fuel	%	<1.0	<1.0	 
Silicon	ppm	<b>9</b>	O 9	 
Sodium	ppm	<b>20</b>	O 31	 
Potassium	ppm	O 2	02	 
, mar.				
WEA	R META	LS		
Iron	ppm	<b>7</b>	<b>1</b> 7	 
Copper	ppm	<b>28</b>	<b>40</b>	 
Lead	ppm	<b>2</b>	<b>3</b>	 
Tin	ppm	<b>O</b> <1	O 2	 
Aluminum	ppm	<b>2</b>	O 2	 
Chromium	ppm	<b>0</b> 0	O <1	 
Molybdenum	ppm	<b>42</b>	<b>43</b>	 
Nickel	ppm	<b>0</b> <1	O <1	 
Titanium	ppm	0	0	 
Silver	ppm	<b>0</b>	O 0	 
Manganese	ppm	<1	<1	 
Vanadium	ppm	0	0	 

2303

132

0 1101

992

36

64

#### LIEBHERR CANADA LTD. - REMAN

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### Diagnosis

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. 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: REMAN Unique No: 5747054 Signed: Wes Davis **Report Date:** 14 Mar 2024

2231

**130** 

**1082** 

994

**41** 

**46** 

**ADDITIVES** 

ppm

ppm

ppm

ppm

ppm

ppm

Calcium

Zinc

Barium

Boron

Magnesium

Phosphorus

# LIEBHERR

CONSTRUCTION EQUIPMENT





## **GRAPHS**

