# CONSTRUCTION EQUIPMENT

### LIEBHERR R924C 028643-1069 - Diesel Engine

Sample No: LH0281207

Oil Type: LUCAS 15W40

## SAMPLE INFORMATION

Sample Number		LH0281207	LH0246918	LH0222018				
Sample Date		15 Dec 2023	27 Jan 2023	03 Mar 2022				
Machine Hours		18178	15740	13705				
Oil Hours		0	0	0				
Oil Changed		Changed	Changed	Changed				
Sample Status		NORMAL	MARGINAL	NORMAL				
Visc @ 100°C	cSt	0 13.7	13.7	0 13.1				
Oxidation (PA)	%	98	106	19				

Water	%	NEG	NEG	NEG		
Soot %	%	0.6	0.5	0 0		
Nitration (PA)	%	91	89	26		
Sulfation (PA)	%	76	82	39		
Glycol	%	NEG	NEG	NEG		
Fuel	%	<1.0	<1.0	<1.0		
Silicon	ppm	0 9	0 10	07		
Sodium	ppm	0 2	○ 3	6		
Potassium	ppm	01	0 2	09		

#### $\odot$ **WEAR METALS** 0 45 Iron ppm 34 20 Copper ppm 04 $\bigcirc 5$ 04 Lead ppm 0 14 0 25 $\bigcirc$ <<sup>1</sup> Tin 0 <1 ppm <1 < Aluminum 03 ppm $\bigcirc 4$ $\bigcirc 2$ Chromium 01 ppm $\bigcirc 1$ Molybdenum 0 95 0 102 1 ppm Nickel 0 <1 0 < 1 ppm $\bigcirc <$ Titanium 0 <1 0 ppm Silver 0 $\bigcirc 0$ 0 ppm Manganese 0 < 1 ppm 0 ○ <1 Vanadium ppm 0 0 0

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ITIVES				
ppm	0 1431	0 1531	0 152	
ppm	0 741	○ 767	0 16	
ppm	🔘 1199	0 1215	0 146	
ppm	<b>0</b> 1001	0 1078	0 1986	
ppm	<b>○</b> <1	◯ <1	0	
ppm	<b>36</b>	91	6	
	ppm ppm ppm ppm ppm	ppm () 1431 ppm () 741 ppm () 1199 ppm () 1001 ppm () <1	ppm 1431 1531   ppm 741 767   ppm 1199 1215   ppm 1001 1078   ppm <1	ppm 1431 1531 152   ppm 741 767 16   ppm 1199 1215 146   ppm 1001 1078 1986   ppm <1





ABC RECYCLING

8081 MEADOW AVE. BURNABY, BC CA V3N 2V9 Contact: John Anderson john.anderson@abcrecycling.com T: (778)988-9944 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:ABCBURUnique No:5733257Signed:Kevin MarsonReport Date:16 Feb 2024

Report Id: ABCBUR [WCAMIS] 02616147 (Generated: 02/20/2024 11:47:07) Rev: 1

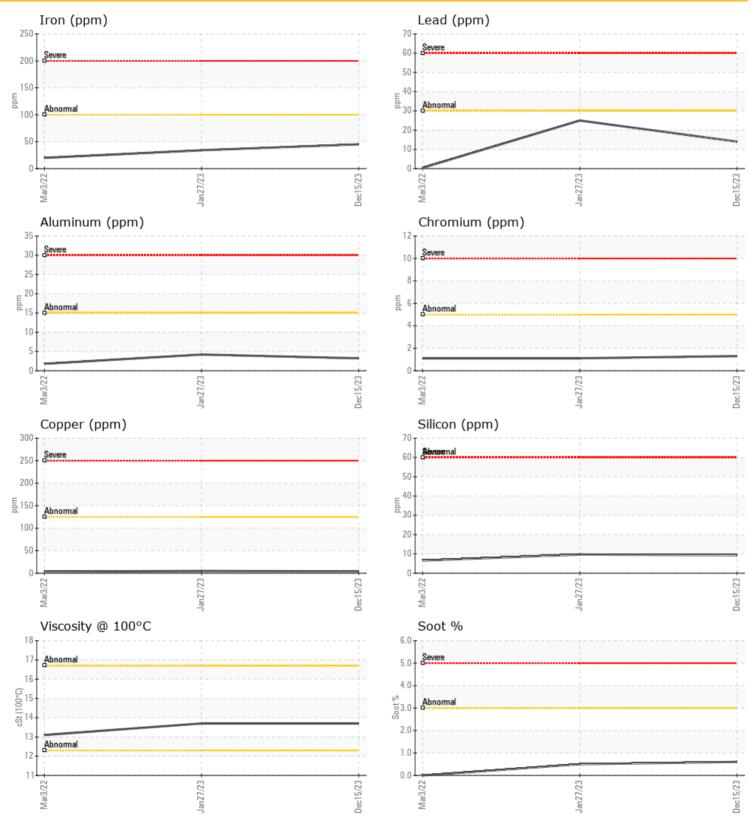
Contact/Location: John Anderson - ABCBUR





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