

## LIEBHERR R924C 038490-1066 - Diesel Engine

Sample No: LH0278320

**Oil Type:** PETRO CANADA SUPREME 5W30

## SAMPLE INFORMATION

Sample Number	LH0278320	LH0106690	LH0106707	
Sample Date	24 Nov 2023	05 Aug 2016	24 Jun 2016	
Machine Hours	14977	4637	4085	
Oil Hours	0	0	0	
Oil Changed	Changed	Changed	Changed	
Sample Status	NORMAL	NORMAL	NORMAL	

Visc @ 100°C	cSt	🔵 10.9	0 10.9	0 11.7	
Oxidation (PA)	%	65	57	53	
- <b>1</b>					

Water	%	NEG	NEG	NEG	
Soot %	%	0.3	0.6	0.2	
Nitration (PA)	%	73	84	0 70	
Sulfation (PA)	%	55	○ 59	56	
Glycol	%	NEG	NEG	NEG	
Fuel	%	<1.0	<1.0	<1.0	
Silicon	ppm	◯ 5	9	8	
Sodium	ppm	<b>3</b>	03	2	
Potassium	ppm	() <1	0 1	◯ <1	

## 0 **WEAR METALS** Iron 0 25 ppm 09 $\bigcirc 7$ Copper ppm 09 02 02 Lead ppm 05 ○ <1 Tin ppm < < Aluminum 02 $\bigcirc 2$ 2 ppm Chromium 01 ○ <1 ppm ○ <1 Molybdenum 0 60 04 $\bigcirc 2$ ppm Nickel 0 <1 0 <1 $\bigcirc$ <<sup>1</sup> ppm Titanium 0 0 0 ppm Silver ○ <1 0 0 ppm Manganese 0 ppm $\bigcirc$ <1 ○ <1 Vanadium ppm 0 0

Calcium	ppm	0 1248	2579	2265		
Magnesium	ppm	0 858	09	09		
Zinc	ppm	0 1244	0 1169	0 1072		
Phosphorus	ppm	<b>0 1020</b>	○ 999	914		
Barium	ppm	<b>○</b> <1	◯ <1	◯ <1		
Boron	ppm	<b>1</b> 4	07	5		

Depot: Unique No: Signed: Report Date:



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AXCOR RENEWABLE ENERGY INC. 1999 Route 470

West Branch, NB CA E4W 2G9 Contact: Service Manager

T: F:

## Diagnosis

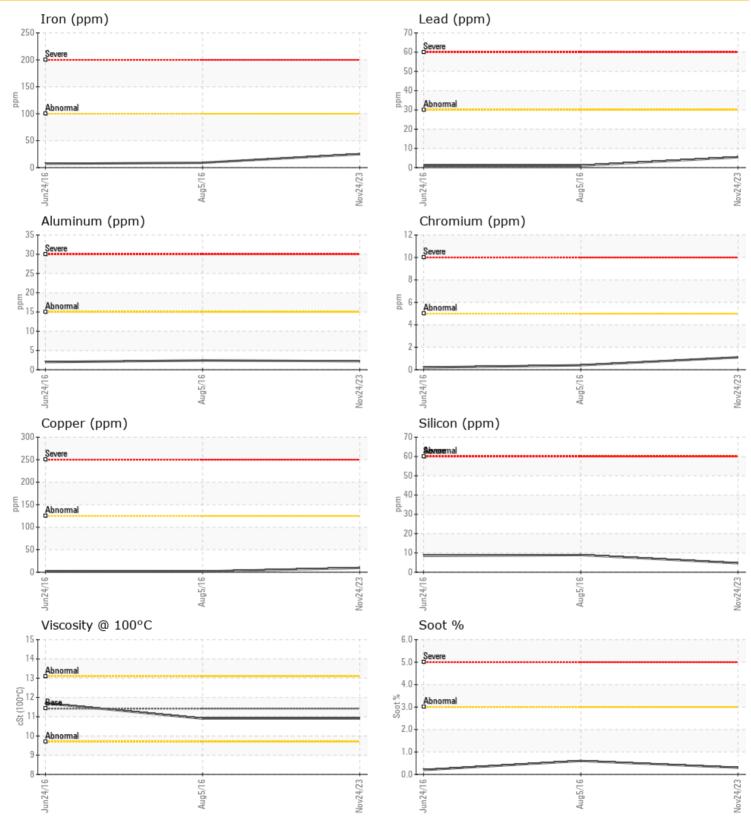
Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.





GRAPHS

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