

# LIEBHERR A924 060467 - Diesel Engine

Sample No: LH0281116

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Oil Type: PETRO CANADA 10W40

## **SAMPLE INFORMATION**

Sample Number	LH0281116	LH0250566	LH0240691					
Sample Date	05 Jan 2024	12 Sep 2023	19 Oct 2022					
Machine Hours	23610	23124	21820					
Oil Hours	0	0	0					
Oil Changed	Changed	Changed	Changed					
Sample Status	NORMAL	NORMAL	NORMAL					
Visc @ 100°C cSt	0 13.4	0 13.7	0 13.3					
Oxidation (PA) %	61	59	62					

Water	%	NEG	NEG	NEG				
Soot %	%	0 1.1	0 1.1	0.8				
Nitration (PA)	%	68	65	71				
Sulfation (PA)	%	58	58	58				
Glycol	%	NEG	NEG	NEG				
Fuel	%	<1.0	<1.0	<1.0				
Silicon	ppm	07	07	6				
Sodium	ppm	01	02	2				
Potassium	ppm	<b>()</b> <1	◯ <1	◯ <1				

### $\bigcirc$ **WEAR METALS** 0 14 Iron ppm 0 18 0 14 Copper ppm 2 02 08 Lead ppm ○ <1 $\bigcirc$ < <1 Tin 0 ppm C ~ Aluminum 01 ppm $\bigcirc$ 1 1 Chromium ○ <1 $\bigcirc 0$ ppm ○ <1 Molybdenum 0 56 63 62 ppm Nickel 0 $\bigcirc 0$ 0 <1 ppm Titanium 0 0 ppm <1 Silver 0 0 ppm $\bigcirc <$ Manganese 0 0 ppm 0 <1 Vanadium ppm 0

ADDITIVES							
Calcium	ppm	0 1016	0 1097	0 1242			
Magnesium	ppm	<b>916</b>	986	866			
Zinc	ppm	0 1145	0 1238	0 1219			
Phosphorus	ppm	0 959	0 1034	1091			
Barium	ppm	0	0	0			
Boron	ppm	01	○ 3	8			



### Liebherr Canada

140 - 21320 Gordon Way Richmond, BC CA V6W 1J8 Contact: Kevin Steer kevin.steer@liebherr.com T: F: (604)270-3254

### 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.

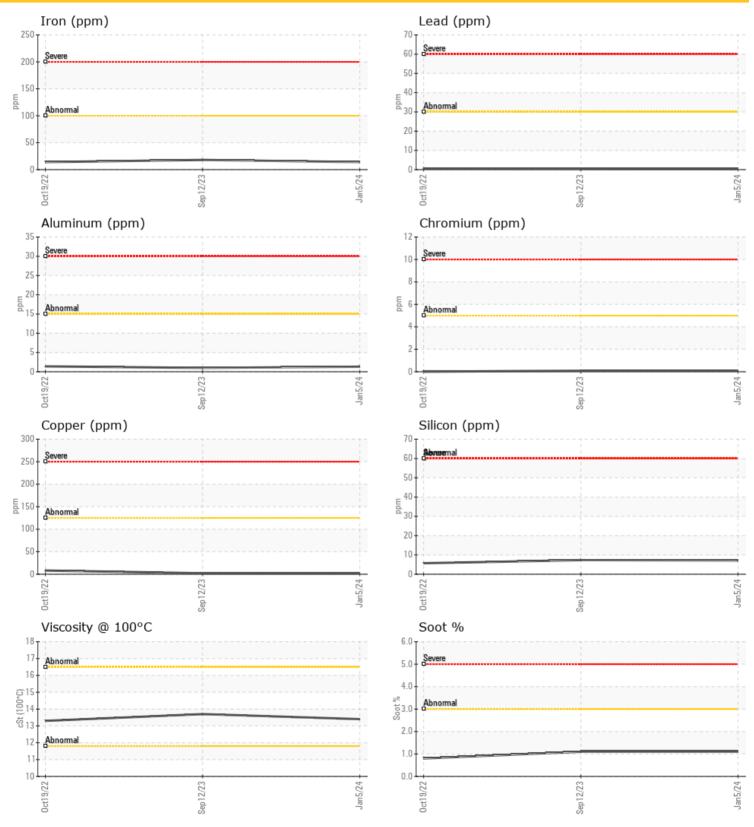
Contact/Location: Kevin Steer - LIERIC





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