

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### 284B - Front Right Unknown Component

Sample No: LH0265081

Oil Type: NOT GIVEN



#### SAMPLE INFORMATION

Sample Number	LH0265081	---	---	---
Sample Date	13 Dec 2023	---	---	---
Machine Hours	24504	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	NORMAL	---	---	---

#### Liebherr-Canada Ltd.

Fort McKay Industrial Park, Lot No. 12 and 13  
 Fort McMurray, AB  
 CA T9H 5N3  
 Contact: Corey Ekroth  
 corey.ekroth@liebherr.com  
 T: (780)791-2967  
 F:



#### OIL CONDITION

Visc @ 40°C	cSt	727	---	---	---
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#### CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	3	---	---	---
Sodium	ppm	● <1	---	---	---
Potassium	ppm	● <1	---	---	---



#### WEAR METALS

Iron	ppm	4	---	---	---
Copper	ppm	0	---	---	---
Lead	ppm	0	---	---	---
Tin	ppm	0	---	---	---
Aluminum	ppm	<1	---	---	---
Chromium	ppm	0	---	---	---
Molybdenum	ppm	0	---	---	---
Nickel	ppm	<1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	0	---	---	---
Vanadium	ppm	0	---	---	---



#### ADDITIVES

Calcium	ppm	1	---	---	---
Magnesium	ppm	<1	---	---	---
Zinc	ppm	2	---	---	---
Phosphorus	ppm	345	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	3	---	---	---

#### Diagnosis

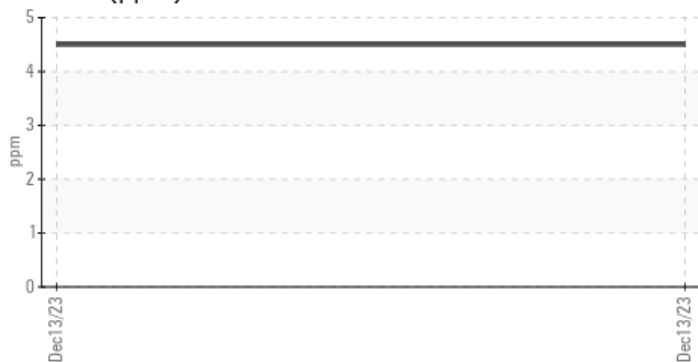
Little or no information is provided as to the component and lubricant being tested. Recommendations are therefore generic in nature and may not apply to the current application. Please forward information as to equipment type, reservoir capacity, lubricant type and any pertinent information to allow for a more accurate assessment. Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. Please provide more complete information on your next sample. All component wear rates are normal. There is no indication of any contamination in the sample. Viscosity of sample indicates oil is within ISO 680 range, advise investigate. The condition of the sample is acceptable for the time in service.

Depot: LIEFTM  
 Unique No: 5697581  
 Signed: Kevin Marson  
 Report Date: 21 Dec 2023

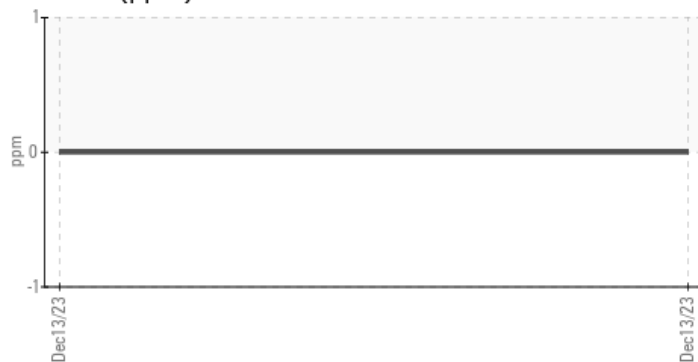


### GRAPHS

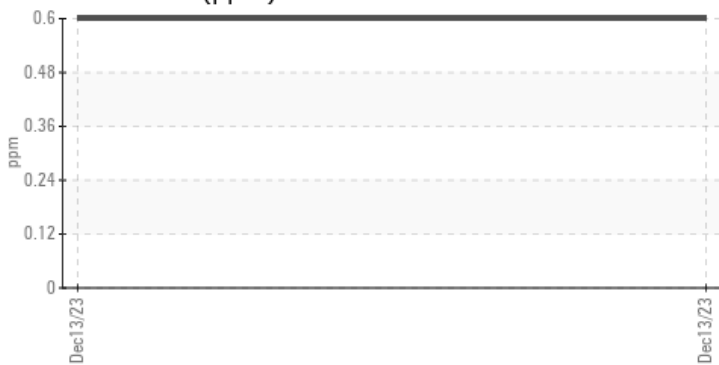
Iron (ppm)



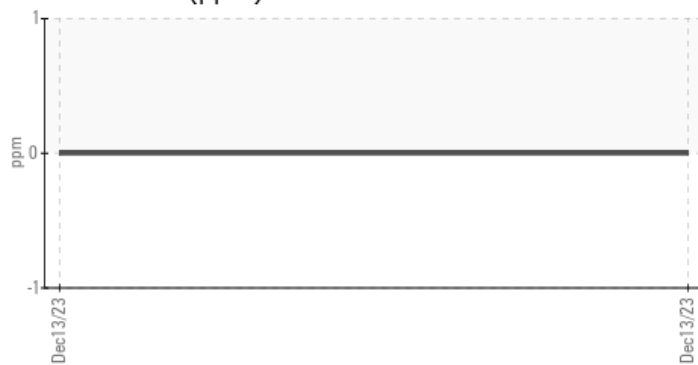
Lead (ppm)



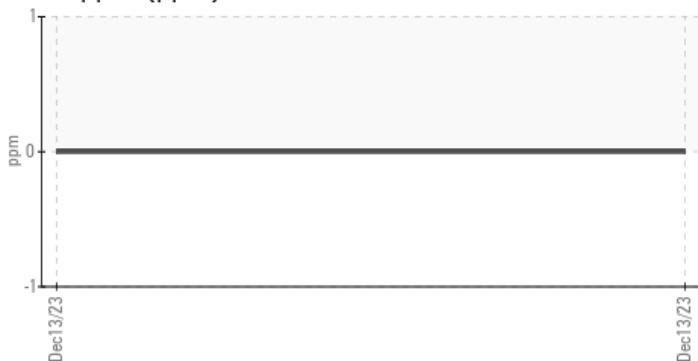
Aluminum (ppm)



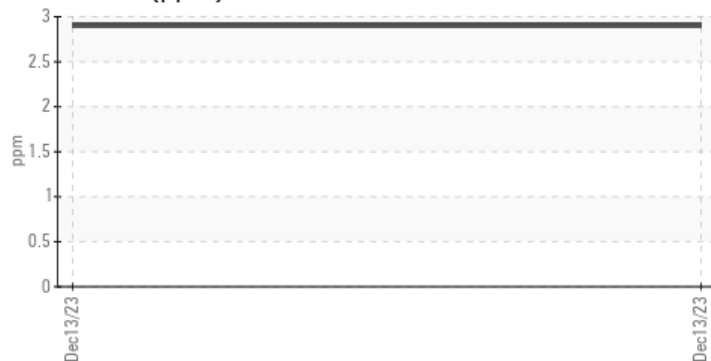
Chromium (ppm)



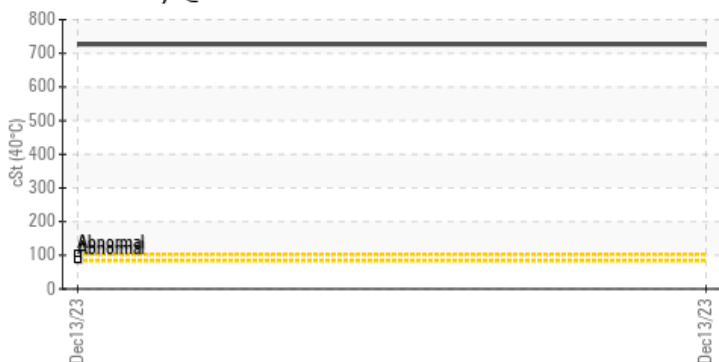
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

