

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### [(355228) [50241076]] LIEBHERR LH60M 114198-1217 - Rear Diff

Sample No: LH0290540

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



#### Sample Information

Sample Number	LH0290540	LH0225132	LH0269777	---
Sample Date	11 Jul 2024	07 Dec 2023	22 Sep 2023	---
Machine Hours	10000	8004	7355	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	SEVERE	NORMAL	NORMAL	---

#### AltaSteel

9401 34 St NW  
Edmonton, AB  
CA T6B 2X6  
Contact: Richard Bailey  
richard.bailey@altasteel.com  
T:  
F:



#### Oil Condition

Visc @ 40°C	cSt	104	103	105	---
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#### Contamination

Water	%	NEG	NEG	NEG	---
Silicon	ppm	177	1	2	---
Sodium	ppm	<1	<1	<1	---
Potassium	ppm	<1	<1	0	---



#### Wear Metals

Iron	ppm	10	6	10	---
Copper	ppm	4	5	14	---
Lead	ppm	0	<1	<1	---
Tin	ppm	0	0	0	---
Aluminum	ppm	<1	<1	0	---
Chromium	ppm	0	0	0	---
Molybdenum	ppm	0	0	0	---
Nickel	ppm	<1	<1	<1	---
Titanium	ppm	0	0	0	---
Silver	ppm	0	0	<1	---
Manganese	ppm	<1	0	0	---
Vanadium	ppm	0	0	0	---



#### Additives

Calcium	ppm	10	35	7	---
Magnesium	ppm	2	<1	2	---
Zinc	ppm	10	25	15	---
Phosphorus	ppm	1283	1222	1252	---
Barium	ppm	<1	0	<1	---
Boron	ppm	315	302	317	---

#### Diagnosis

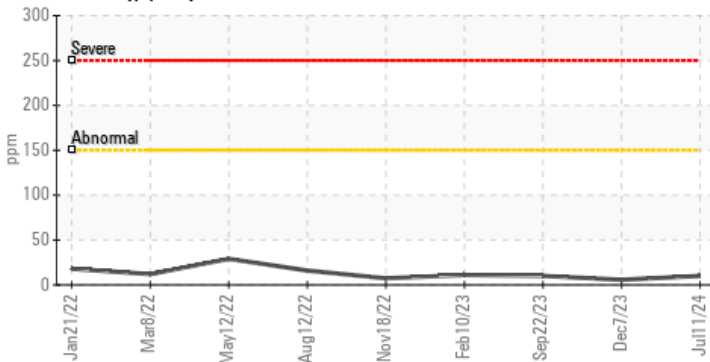
We advise that you check all areas where dirt can enter the system. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. All component wear rates are normal. High concentration of dirt present in the oil. The oil is no longer serviceable due to the presence of contaminants.

Depot: ALT940EDM  
Unique No: 5814322  
Signed: Kevin Marson  
Report Date: 19 Jul 2024

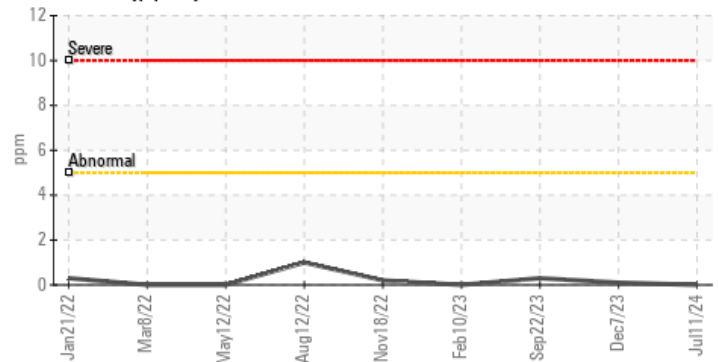


### Graphs

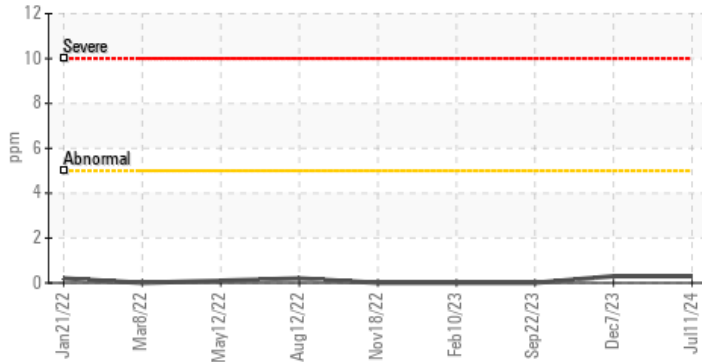
Iron (ppm)



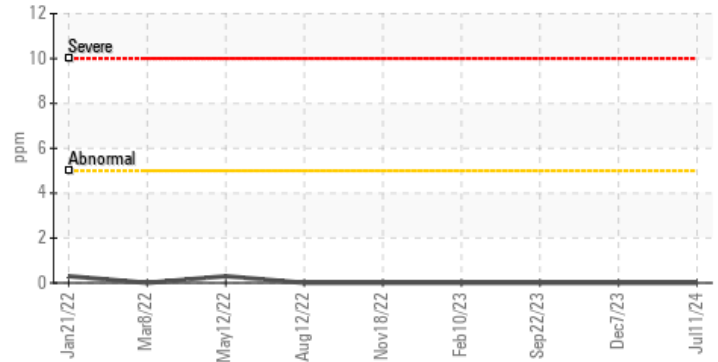
Lead (ppm)



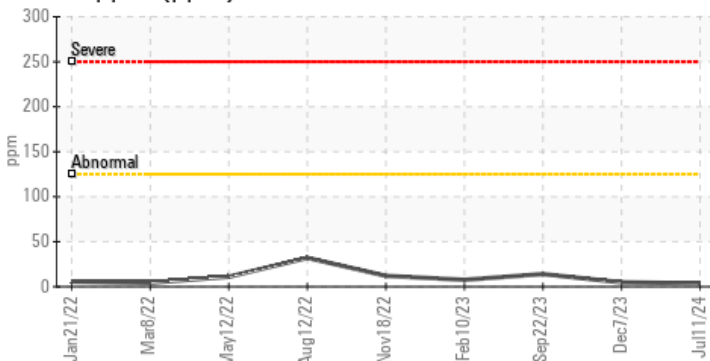
Aluminum (ppm)



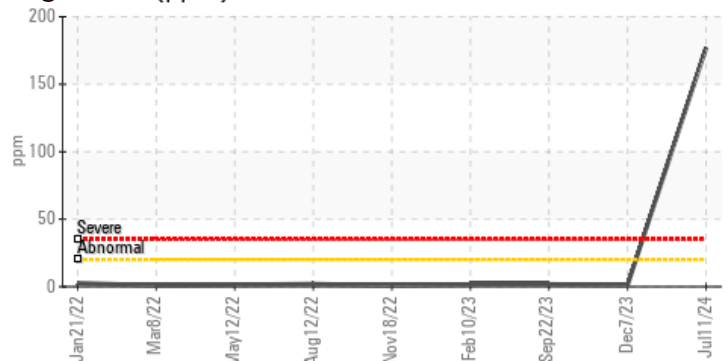
Chromium (ppm)



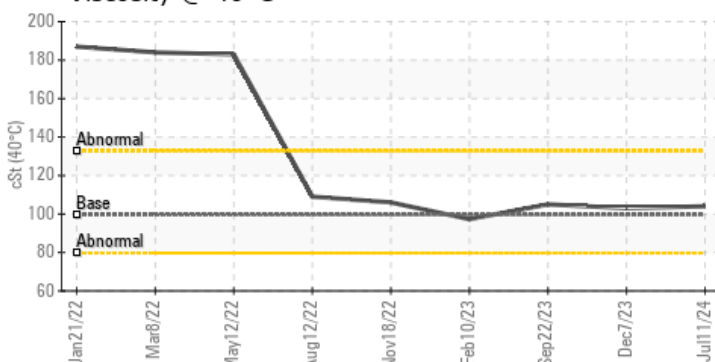
Copper (ppm)



● Silicon (ppm)



Viscosity @ 40°C



Additives

