

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LRB18 L1829 (S/N 111102) - Hydraulic System

Sample No: LH0247802

Oil Type: NOT GIVEN



#### SAMPLE INFORMATION

Sample Number	LH0247802	---	---	---
Sample Date	21 Oct 2023	---	---	---
Machine Hours	532	---	---	---
Oil Hours	532	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---

**PETERSON CONTRACTORS INC**  
 PO BOX A  
 REINBECK, IA  
 US 50669  
 Contact: WADE VANHAVEN  
 MBERWALD@PCIUS.COM  
 T:  
 F:



#### OIL CONDITION

Visc @ 40°C	cSt	36.7	---	---	---
Acid Number (AN)	mg KOH/g	0.45	---	---	---



#### CONTAMINATION

Particles >4µm		343	---	---	---
Particles >6µm		95	---	---	---
Particles >14µm		14	---	---	---
ISO 4406:1999 (c)		16/14/11	---	---	---
Silicon	ppm	<1	---	---	---
Sodium	ppm	2	---	---	---
Potassium	ppm	1	---	---	---



#### WEAR METALS

Iron	ppm	0	---	---	---
Copper	ppm	3	---	---	---
Lead	ppm	0	---	---	---
Tin	ppm	0	---	---	---
Aluminum	ppm	0	---	---	---
Chromium	ppm	0	---	---	---
Molybdenum	ppm	0	---	---	---
Nickel	ppm	0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	0	---	---	---
Vanadium	ppm	0	---	---	---



#### ADDITIVES

Calcium	ppm	86	---	---	---
Magnesium	ppm	0	---	---	---
Zinc	ppm	335	---	---	---
Phosphorus	ppm	271	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	0	---	---	---

#### Diagnosis

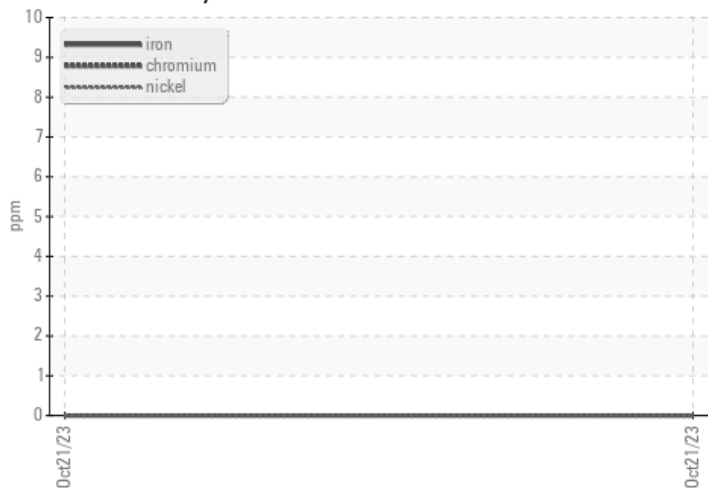
Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. All component wear rates are normal. The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

**Depot:** PETREILH  
**Unique No:** 10716271  
**Signed:** Don Baldrige  
**Report Date:** 01 Nov 2023

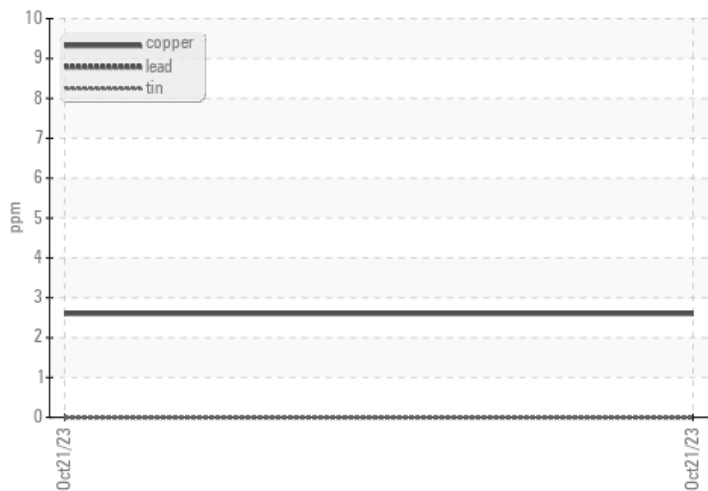


### GRAPHS

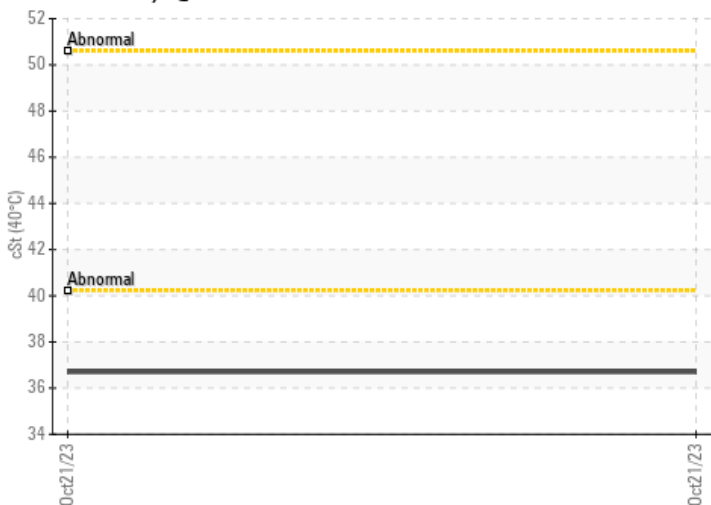
#### Ferrous Alloys



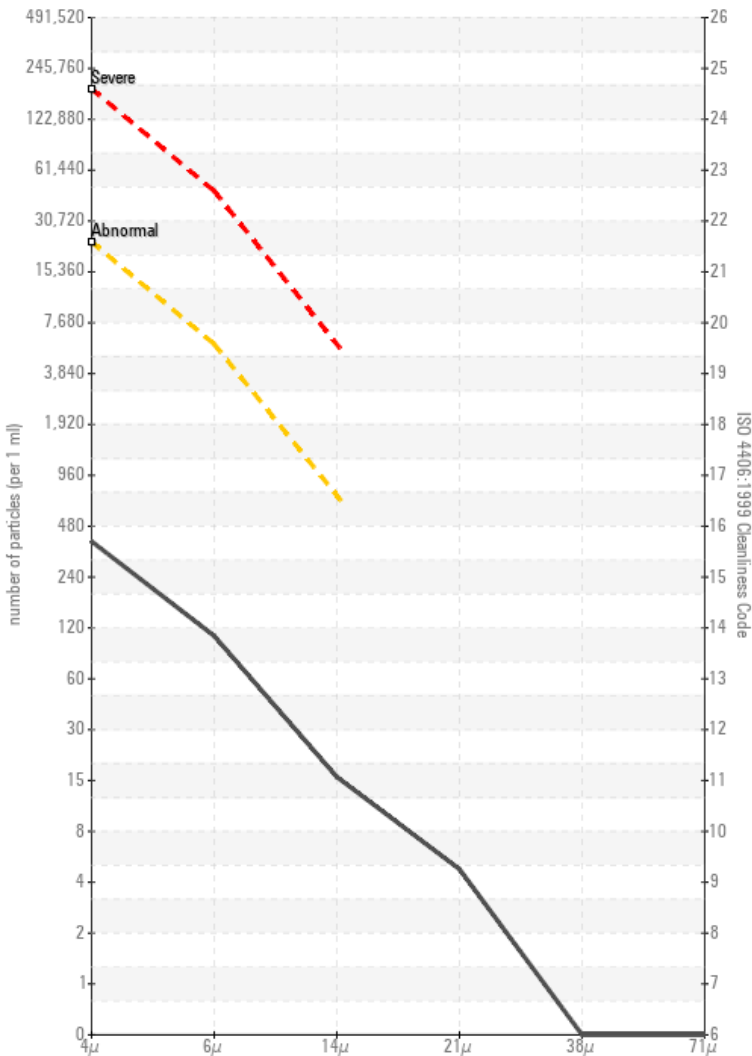
#### Non-ferrous Metals



#### Viscosity @ 40°C



#### Particle Count



#### Acid Number

