

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR R936LC 048600-1490 - Hydraulic System

Sample No: LH0288283

Oil Type: LIEBHERR HYDRAULIC HVI



**COLOURED AGGREGATES INC.**  
 158 DON HILLOCK DRIVE,, UNIT 12-13  
 AURORA, ON  
 CA L4G 0H6  
 Contact: Jeff Oravec  
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 T: (416)491-0230  
 F:



#### Sample Information

Sample Number	LH0288283	LH0162705	---	---
Sample Date	15 Apr 2024	11 Feb 2020	---	---
Machine Hours	2927	501	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Chngd	Not Chngd	---	---
Sample Status	ATTENTION	ABNORMAL	---	---



#### Oil Condition

Visc @ 40°C	cSt	41.4	44.3	---	---
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#### Contamination

Water	%	NEG	NEG	---	---
Particles >4µm		20151	58165	---	---
Particles >6µm		1251	3004	---	---
Particles >14µm		48	130	---	---
ISO 4406:1999 (c)		22/17/13	23/19/14	---	---
Silicon	ppm	4	4	---	---
Sodium	ppm	2	0	---	---
Potassium	ppm	1	1	---	---



#### Wear Metals

Iron	ppm	13	8	---	---
Copper	ppm	5	2	---	---
Lead	ppm	<1	<1	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	1	<1	---	---
Chromium	ppm	<1	<1	---	---
Molybdenum	ppm	0	<1	---	---
Nickel	ppm	0	<1	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	<1	<1	---	---
Vanadium	ppm	0	0	---	---



#### Additives

Calcium	ppm	1313	1429	---	---
Magnesium	ppm	9	10	---	---
Zinc	ppm	691	730	---	---
Phosphorus	ppm	609	655	---	---
Barium	ppm	<1	<1	---	---
Boron	ppm	<1	<1	---	---

#### Diagnosis

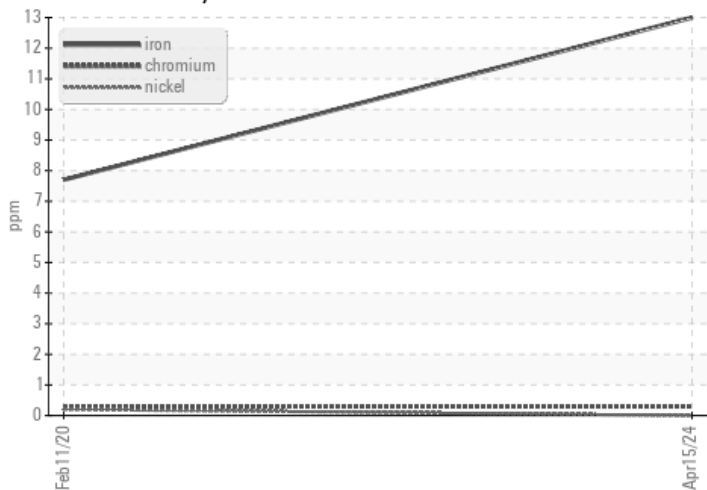
We recommend you service the filters on this component. Resample at the next service interval to monitor. All component wear rates are normal. There is a light amount of silt (particulates < 14 microns in size) present in the oil. The condition of the oil is acceptable for the time in service.

Depot: COL158AUR  
 Unique No: 5762787  
 Signed: Wes Davis  
 Report Date: 18 Apr 2024

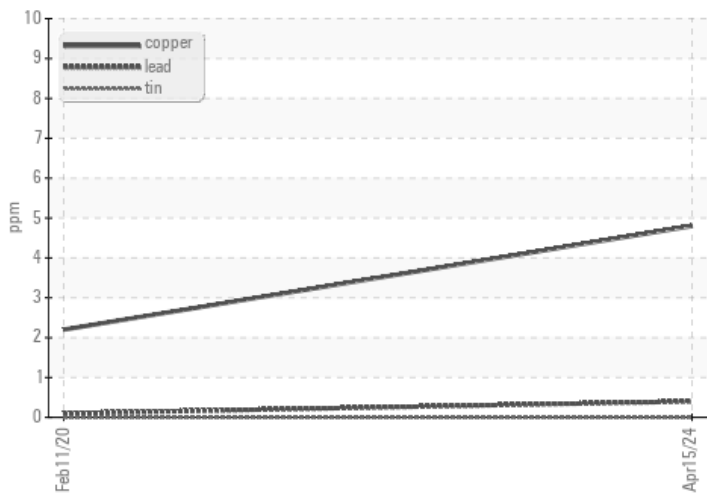


### Graphs

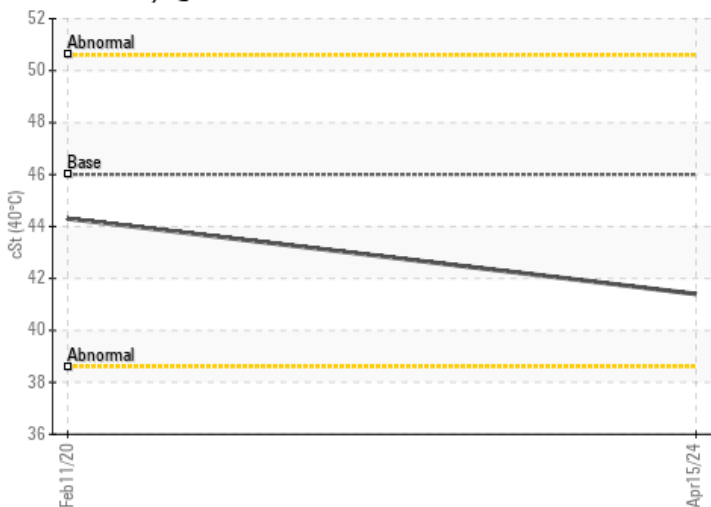
#### Ferrous Alloys



#### Non-ferrous Metals



#### Viscosity @ 40°C



#### Particle Count

