

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### [(363880)] LIEBHERR L550 064917-1756 - Hydraulic System

Sample No: LH0261039

Oil Type: PETRO CANADA HYDREX XV ALL SEASON HYDRAULIC OIL



#### SAMPLE INFORMATION

Sample Number	LH0261039	LH0250800	LH0235286	LH0143900
Sample Date	15 Jun 2023	03 Feb 2023	14 Sep 2022	26 May 2022
Machine Hours	4922	4136	3114	2225
Oil Hours	0	0	0	0
Oil Changed	Changed	Not Changd	Changed	Not Changd
Sample Status	ATTENTION	ATTENTION	NORMAL	NORMAL

**ARMAND DUHAMEL et FILS INC.**  
 778 RUE DE L' EGLISE  
 ST-IGNACE-STANDBRIDGE, QC  
 CA J0J 1Y0  
 Contact:



#### OIL CONDITION

Visc @ 40°C	cSt	44.1	44.4	44.1	43.9
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T:  
F:



#### CONTAMINATION

Particles >4µm		21659	35434	325	6781
Particles >6µm		66	3021	88	174
Particles >14µm		3	178	11	15
ISO 4406:1999 (c)		22/13/9	22/19/15	16/14/11	20/15/11
Silicon	ppm	4	4	5	4
Sodium	ppm	<1	<1	1	1
Potassium	ppm	1	<1	1	1

#### Diagnosis

We recommend you service the filters on this component. Confirm the source of the lubricant being utilized for top-up/fill. 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. Additive levels indicate the addition of a different brand, or type of oil. The condition of the oil is acceptable for the time in service.



#### WEAR METALS

PQ		---	0	0	---
Iron	ppm	17	20	20	18
Copper	ppm	3	3	3	3
Lead	ppm	5	5	6	4
Tin	ppm	<1	<1	<1	<1
Aluminum	ppm	2	2	2	2
Chromium	ppm	7	6	6	6
Molybdenum	ppm	0	0	0	<1
Nickel	ppm	<1	0	0	<1
Titanium	ppm	0	<1	<1	0
Silver	ppm	0	0	<1	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



#### ADDITIVES

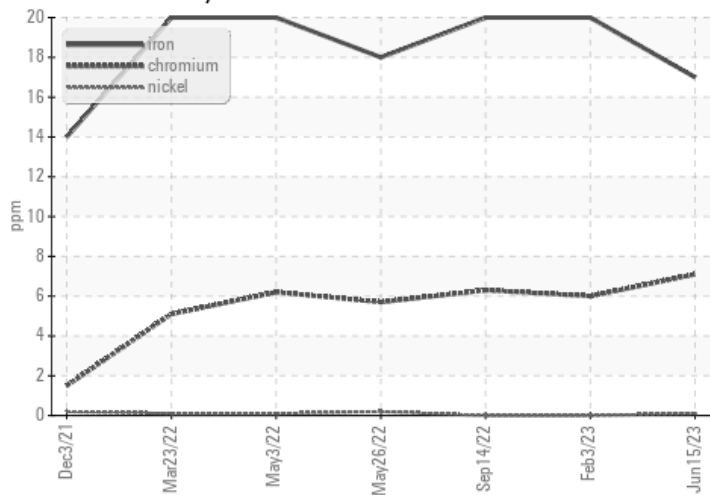
Calcium	ppm	862	921	1234	1224
Magnesium	ppm	17	16	5	5
Zinc	ppm	598	602	696	729
Phosphorus	ppm	554	569	657	654
Barium	ppm	<1	<1	<1	<1
Boron	ppm	<1	<1	<1	<1

Depot: ARMSTI  
 Unique No: 5604380  
 Signed: Kevin Marson  
 Report Date: 30 Jun 2023

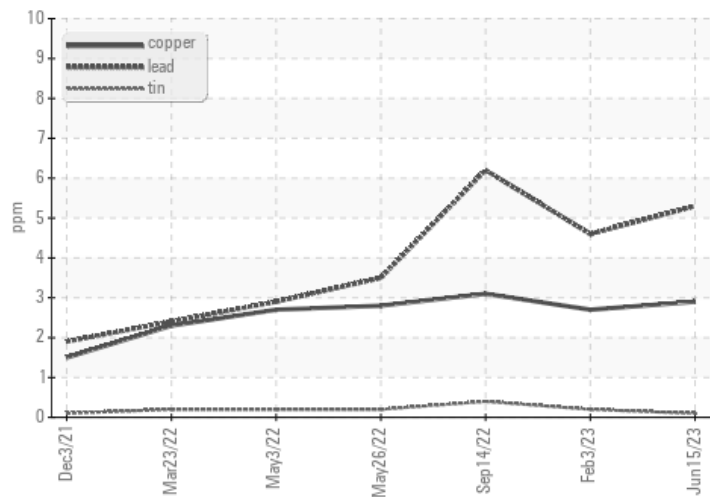


### GRAPHS

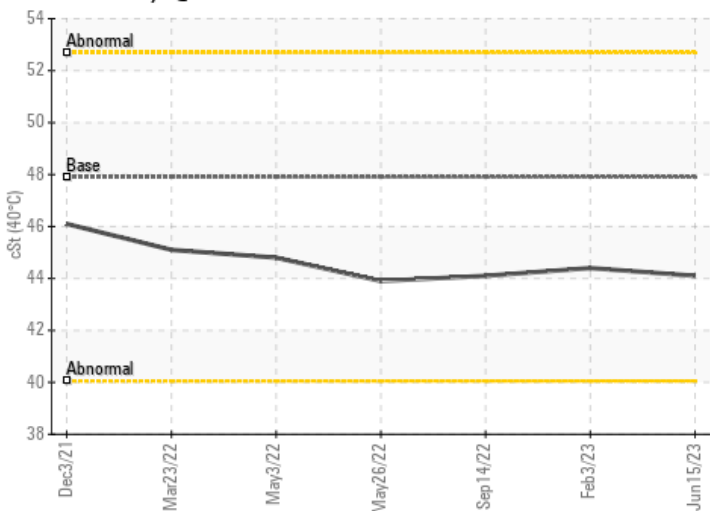
#### Ferrous Alloys



#### Non-ferrous Metals



#### Viscosity @ 40°C



#### Particle Count

