

# LIEBHERR

## CONSTRUCTION EQUIPMENT



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

Sample No: LH

Oil Type: PETRO CANADA HYDREX XV ALL SEASON HYDRAULIC OIL



#### SAMPLE INFORMATION

Sample Number	LH	LH0261039	LH0250800	LH0235286
Sample Date	13 Nov 2023	15 Jun 2023	03 Feb 2023	14 Sep 2022
Machine Hours	5500	4922	4136	3114
Oil Hours	0	0	0	0
Oil Changed	Not Changd	Changed	Not Changd	Changed
Sample Status	NORMAL	ATTENTION	ATTENTION	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	45.5	44.1	44.4	44.1

T:  
F:



#### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Particles >4µm		9162	21659	35434	325
Particles >6µm		1765	66	3021	88
Particles >14µm		153	3	178	11
ISO 4406:1999 (c)		20/18/14	22/13/9	22/19/15	16/14/11
Silicon	ppm	2	4	4	5
Sodium	ppm	<1	<1	<1	1
Potassium	ppm	0	1	<1	1

#### Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. The condition of the oil is acceptable for the time in service.



#### WEAR METALS

PQ		---	---	0	0
Iron	ppm	10	17	20	20
Copper	ppm	2	3	3	3
Lead	ppm	5	5	5	6
Tin	ppm	0	<1	<1	<1
Aluminum	ppm	1	2	2	2
Chromium	ppm	3	7	6	6
Molybdenum	ppm	0	0	0	0
Nickel	ppm	0	<1	0	0
Titanium	ppm	0	0	<1	<1
Silver	ppm	<1	0	0	<1
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	0	0	0	0



#### ADDITIVES

Calcium	ppm	465	862	921	1234
Magnesium	ppm	9	17	16	5
Zinc	ppm	740	598	602	696
Phosphorus	ppm	587	554	569	657
Barium	ppm	<1	<1	<1	<1
Boron	ppm	<1	<1	<1	<1

Depot: ARMSTI  
 Unique No: 5682185  
 Signed: Wes Davis  
 Report Date: 20 Nov 2023

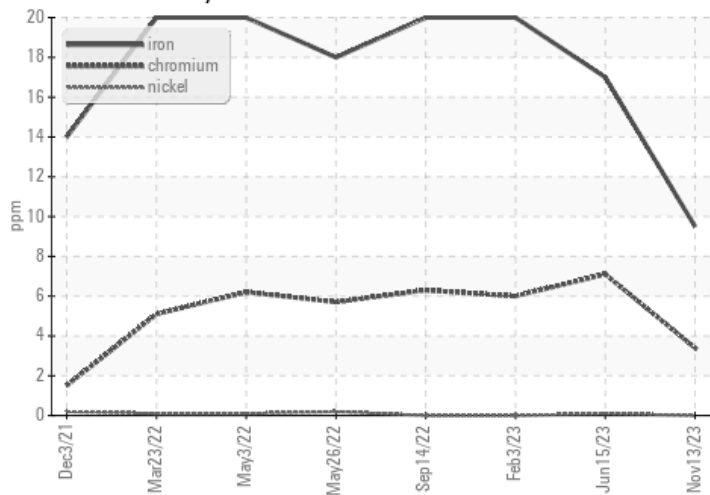
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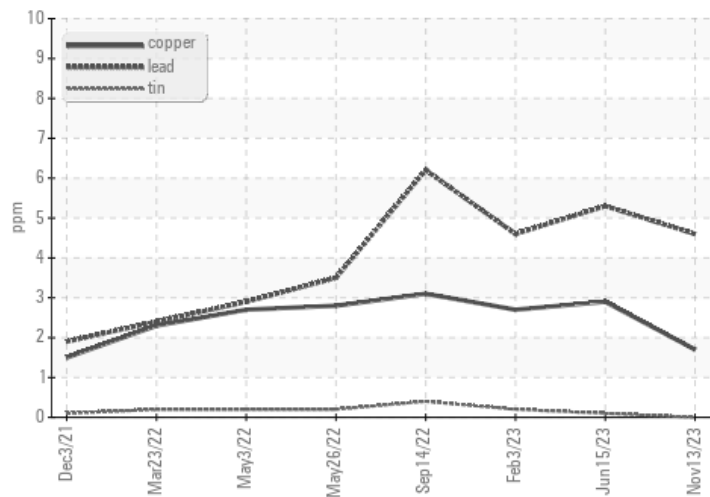


### GRAPHS

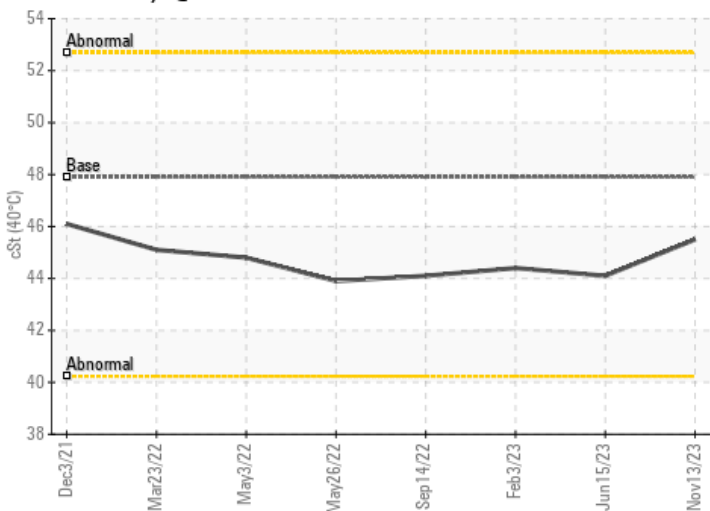
#### Ferrous Alloys



#### Non-ferrous Metals



#### Viscosity @ 40°C



#### Particle Count

