

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR L550 075036-1825 - Hydraulic System

Sample No: LH

Oil Type: PETRO CANADA HYDREX XV ALL SEASON HYDRAULIC OIL



#### SAMPLE INFORMATION

Sample Number	LH	---	---	---
Sample Date	20 Dec 2023	---	---	---
Machine Hours	545	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	ABNORMAL	---	---	---

**Sintra Inc. (division Ouest)**  
 9975 rue de Chateaufneuf, Local B  
 Brossard, QC  
 CA J4Z 3V6  
 Contact: Service Manager  
 jonathan.smith@sintra.ca  
 T:  
 F:



#### OIL CONDITION

Visc @ 40°C	cSt	● 46.8	---	---	---
-------------	-----	--------	-----	-----	-----



#### CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		● 63798	---	---	---
Particles >6µm		● 15480	---	---	---
Particles >14µm		● 220	---	---	---
ISO 4406:1999 (c)		23/21/15	---	---	---
Silicon	ppm	● 4	---	---	---
Sodium	ppm	● <1	---	---	---
Potassium	ppm	● 2	---	---	---

#### Diagnosis

The filter change at the time of sampling has been noted. Confirm the source of the lubricant being utilized for top-up/fill. We recommend an early resample to monitor this condition. All component wear rates are normal. There is a moderate 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 oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.



#### WEAR METALS

Iron	ppm	● 3	---	---	---
Copper	ppm	● 2	---	---	---
Lead	ppm	● 1	---	---	---
Tin	ppm	● 0	---	---	---
Aluminum	ppm	● 2	---	---	---
Chromium	ppm	● <1	---	---	---
Molybdenum	ppm	● 0	---	---	---
Nickel	ppm	● <1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	● 0	---	---	---
Vanadium	ppm	0	---	---	---



#### ADDITIVES

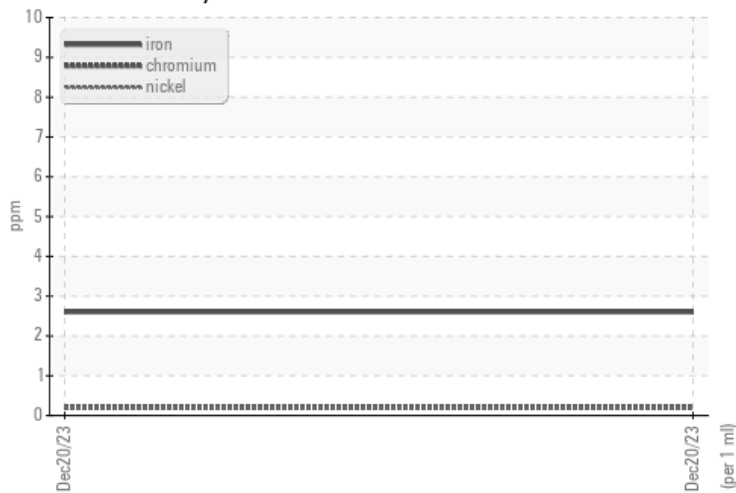
Calcium	ppm	1415	---	---	---
Magnesium	ppm	● 5	---	---	---
Zinc	ppm	● 684	---	---	---
Phosphorus	ppm	● 639	---	---	---
Barium	ppm	● 0	---	---	---
Boron	ppm	● <1	---	---	---

**Depot:** SINBRO  
**Unique No:** 5736091  
**Signed:** Kevin Marson  
**Report Date:** 01 Mar 2024

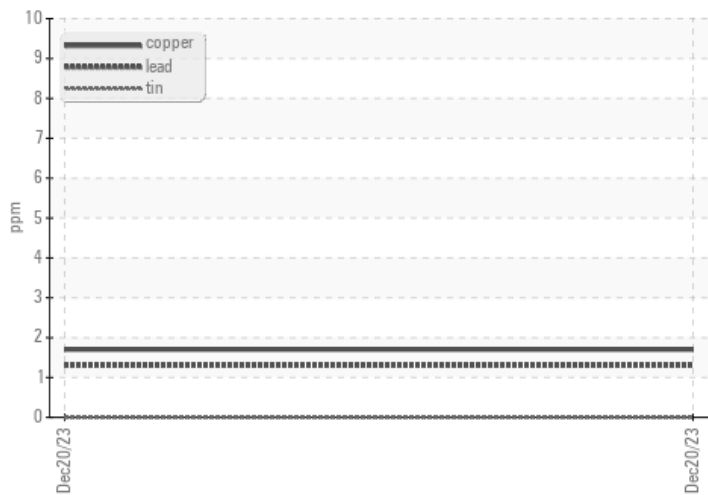


### GRAPHS

#### Ferrous Alloys



#### Non-ferrous Metals



#### Viscosity @ 40°C



#### Particle Count

