

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR L586 74609 - Hydraulic System

Sample No: LH0295156

Oil Type: PETRO CANADA HYDREX XV ALL SEASON HYDRAULIC OIL



#### Sample Information

Sample Number	LH0295156	---	---	---
Sample Date	07 Jul 2024	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

**MODERN CONSTRUCTION (1983) LTD.**  
 364 BRIGGS CROSS ROAD  
 STILESVILLE, NB  
 CA E1G 3G3  
 Contact: Blaine Cail  
 blaine.cail@moderngroup.ca  
 T:  
 F:



#### Oil Condition

Visc @ 40°C	cSt	● 43.4	---	---	---
-------------	-----	--------	-----	-----	-----



#### Contamination

Water	%	NEG	---	---	---
Particles >4µm		● 3683	---	---	---
Particles >6µm		● 69	---	---	---
Particles >14µm		● 7	---	---	---
ISO 4406:1999 (c)		19/13/10	---	---	---
Silicon	ppm	● 13	---	---	---
Sodium	ppm	● 1	---	---	---
Potassium	ppm	● 1	---	---	---

#### Diagnosis

The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. Aluminum ppm levels are abnormal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. The oil is no longer serviceable as a result of the abnormal and/or severe wear.



#### Wear Metals

Iron	ppm	● 14	---	---	---
Copper	ppm	● 3	---	---	---
Lead	ppm	● 5	---	---	---
Tin	ppm	● 0	---	---	---
Aluminum	ppm	● 6	---	---	---
Chromium	ppm	● <1	---	---	---
Molybdenum	ppm	● 0	---	---	---
Nickel	ppm	● <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	● <1	---	---	---
Vanadium	ppm	0	---	---	---



#### Additives

Calcium	ppm	● 826	---	---	---
Magnesium	ppm	● 8	---	---	---
Zinc	ppm	● 719	---	---	---
Phosphorus	ppm	● 573	---	---	---
Barium	ppm	● <1	---	---	---
Boron	ppm	● <1	---	---	---

**Depot:** MODSTI  
**Unique No:** 5813217  
**Signed:** Kevin Marson  
**Report Date:** 15 Jul 2024

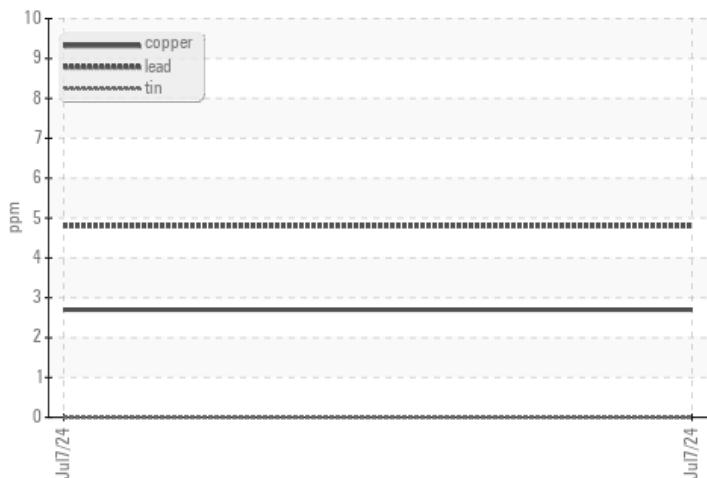


### Graphs

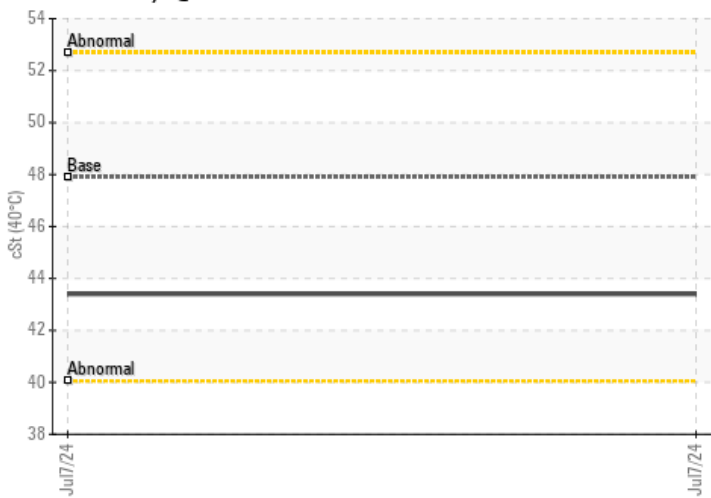
#### Ferrous Alloys



#### Non-ferrous Metals



#### Viscosity @ 40°C



#### Particle Count

