

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### [MODERN] LIEBHERR L586 74609 - Hydraulic System

Sample No: LH0284816

Oil Type: PETRO CANADA HYDREX AW 46



#### SAMPLE INFORMATION

Sample Number	LH0284816	LH0277034	---	---
Sample Date	02 Mar 2024	21 Oct 2023	---	---
Machine Hours	11699	1117	---	---
Oil Hours	0	0	---	---
Oil Changed	N/A	Changed	---	---
Sample Status	ABNORMAL	NORMAL	---	---

#### LIEBHERR CANADA

10 LYNDS AVENUE  
 MONCTON, NB  
 CA E1H 3K2  
 Contact: Bryan Wood  
 bryan.wood@liebherr.com  
 T:  
 F: (506)854-2940



#### OIL CONDITION

Visc @ 40°C	cSt	43.3	41.6	---	---
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#### CONTAMINATION

Water	%	NEG	NEG	---	---
Particles >4µm		36327	12543	---	---
Particles >6µm		2626	733	---	---
Particles >14µm		49	18	---	---
ISO 4406:1999 (c)		22/19/13	21/17/11	---	---
Silicon	ppm	14	11	---	---
Sodium	ppm	2	2	---	---
Potassium	ppm	2	<1	---	---

#### Diagnosis

We recommend you service the filters on this component. Confirm the source of the lubricant being utilized for top-up/fill. We recommend an early resample to monitor this condition. Aluminum ppm levels are abnormal. 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.



#### WEAR METALS

Iron	ppm	15	11	---	---
Copper	ppm	3	3	---	---
Lead	ppm	5	6	---	---
Tin	ppm	0	<1	---	---
Aluminum	ppm	6	4	---	---
Chromium	ppm	<1	<1	---	---
Molybdenum	ppm	0	0	---	---
Nickel	ppm	<1	0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	0	0	---	---
Vanadium	ppm	0	0	---	---



#### ADDITIVES

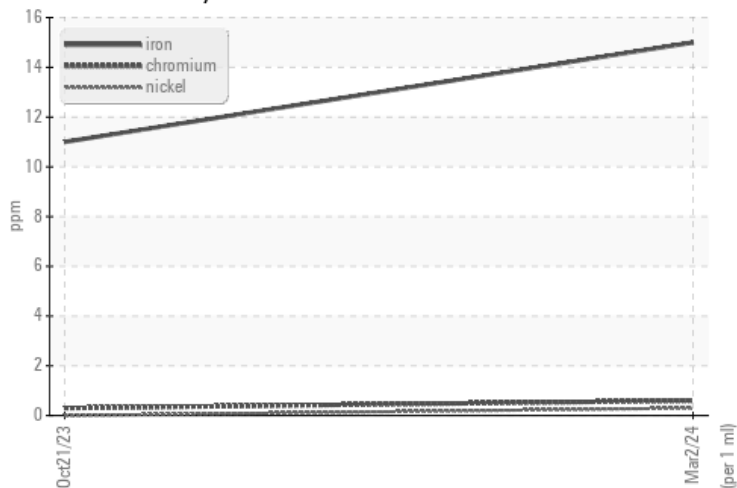
Calcium	ppm	1046	1436	---	---
Magnesium	ppm	8	7	---	---
Zinc	ppm	672	699	---	---
Phosphorus	ppm	588	603	---	---
Barium	ppm	0	<1	---	---
Boron	ppm	0	<1	---	---

Depot: LIEMON  
 Unique No: 5747848  
 Signed: Kevin Marson  
 Report Date: 19 Mar 2024

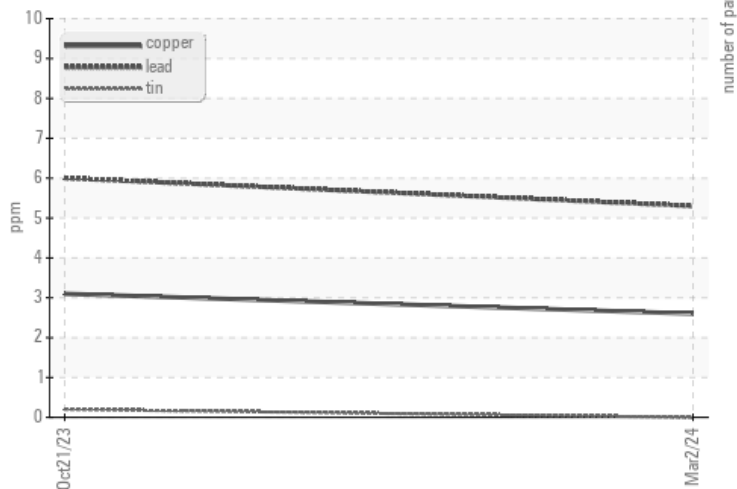


### GRAPHS

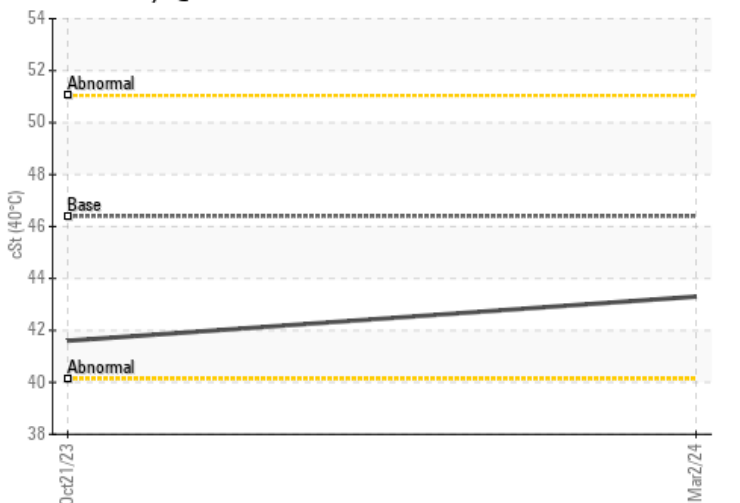
#### Ferrous Alloys



#### Non-ferrous Metals



#### Viscosity @ 40°C



#### Particle Count

