

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### [PRO CAISSONS [601832]] LIEBHERR LB35 T15695 - Hydraulic

Sample No: LH0286725

Oil Type: PETRO CANADA HYDREX AW 46



#### SAMPLE INFORMATION

Sample Number	LH0286725	LH0224657	---	---
Sample Date	06 Mar 2024	05 Apr 2022	---	---
Machine Hours	2047	614	---	---
Oil Hours	0	0	---	---
Oil Changed	N/A	N/A	---	---
Sample Status	NORMAL	NORMAL	---	---

**LIEBHERR CANADA LTD.**  
 1015 SUTTON DRIVE  
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 T: (905)319-9222  
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#### OIL CONDITION

Visc @ 40°C	cSt	35.9	36.8	---	---
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#### CONTAMINATION

Water	%	NEG	NEG	---	---
Particles >4µm		322	8597	---	---
Particles >6µm		88	337	---	---
Particles >14µm		7	17	---	---
ISO 4406:1999 (c)		16/14/10	20/16/11	---	---
Silicon	ppm	<1	<1	---	---
Sodium	ppm	0	0	---	---
Potassium	ppm	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. Viscosity of sample indicates oil is within ISO 32 range, advise investigate. The condition of the oil is acceptable for the time in service.



#### WEAR METALS

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



#### ADDITIVES

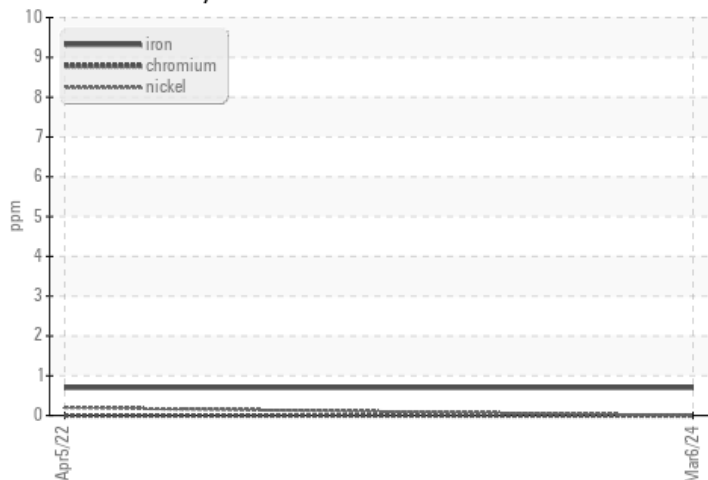
Calcium	ppm	65	65	---	---
Magnesium	ppm	<1	<1	---	---
Zinc	ppm	338	344	---	---
Phosphorus	ppm	274	284	---	---
Barium	ppm	0	0	---	---
Boron	ppm	<1	<1	---	---

Depot: LIEMIS  
 Unique No: 5745957  
 Signed: Kevin Marson  
 Report Date: 11 Mar 2024

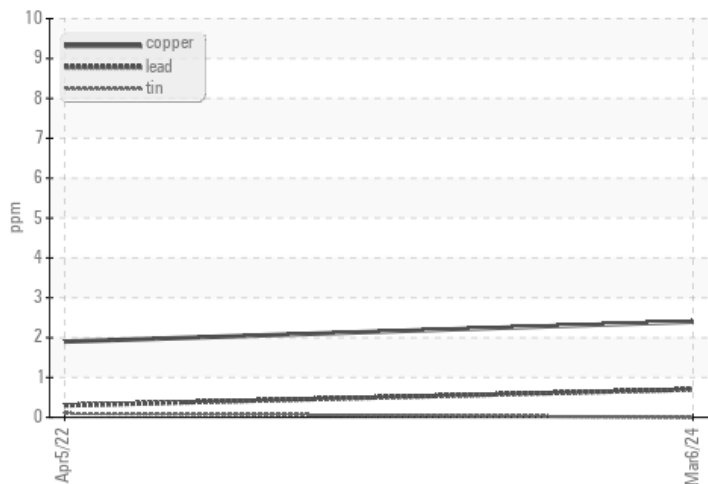


### GRAPHS

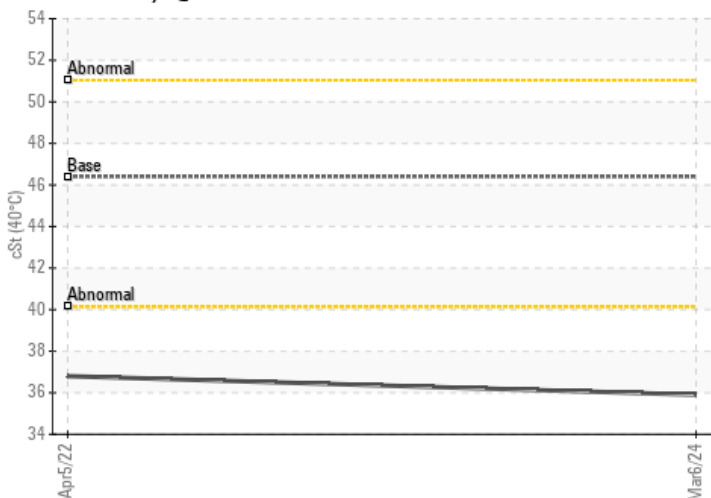
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

