

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH40C 154373-1527 - Hydraulic System

Sample No: LH0279825

Oil Type: AW HYDRAULIC OIL ISO 46



#### Sample Information

Sample Number	LH0279825	---	---	---
Sample Date	21 Apr 2024	---	---	---
Machine Hours	2000	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

**DOMINION NICKEL ALLOYS LTD.**

834 APPLEBY LINE  
BURLINGTON, ON  
CA L7L 2Y7

Contact: Trevor Taylor  
trevor@domnickel.com  
T: (905)639-9939  
F: (905)639-3788



#### Oil Condition

Visc @ 40°C	cSt	● 45.1	---	---	---
Acid Number (AN)	mg KOH/g	● 0.51	---	---	---



#### Contamination

Water	%	NEG	---	---	---
Particles >4µm		● 6934	---	---	---
Particles >6µm		● 676	---	---	---
Particles >14µm		● 32	---	---	---
ISO 4406:1999 (c)		20/17/12	---	---	---
Silicon	ppm	● 0	---	---	---
Sodium	ppm	● <1	---	---	---
Potassium	ppm	● <1	---	---	---

#### Diagnosis

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) AW HYDRAULIC OIL ISO 46. Please confirm.

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 AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



#### Wear Metals

Iron	ppm	● 6	---	---	---
Copper	ppm	● 1	---	---	---
Lead	ppm	● 0	---	---	---
Tin	ppm	● 0	---	---	---
Aluminum	ppm	● 0	---	---	---
Chromium	ppm	● 9	---	---	---
Molybdenum	ppm	● 0	---	---	---
Nickel	ppm	● 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	● 0	---	---	---
Vanadium	ppm	0	---	---	---



#### Additives

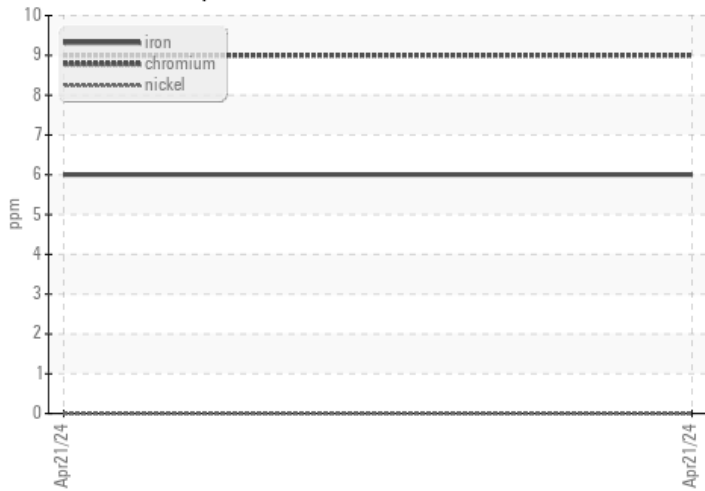
Calcium	ppm	● 61	---	---	---
Magnesium	ppm	● 1	---	---	---
Zinc	ppm	● 411	---	---	---
Phosphorus	ppm	● 330	---	---	---
Barium	ppm	● 0	---	---	---
Boron	ppm	● <1	---	---	---

Depot: DOMBUR  
Unique No: 5763749  
Signed: Wes Davis  
Report Date: 23 Apr 2024

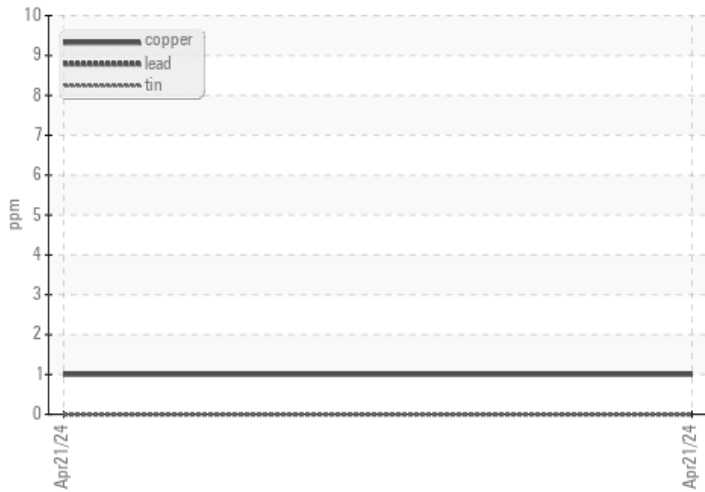


### Graphs

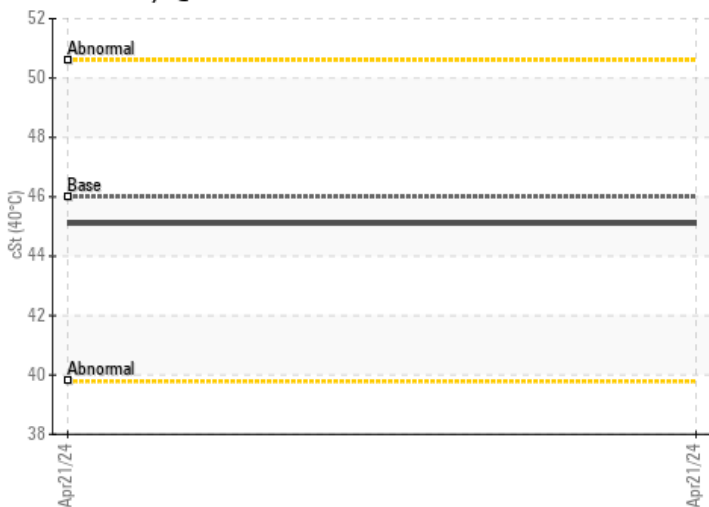
#### Ferrous Alloys



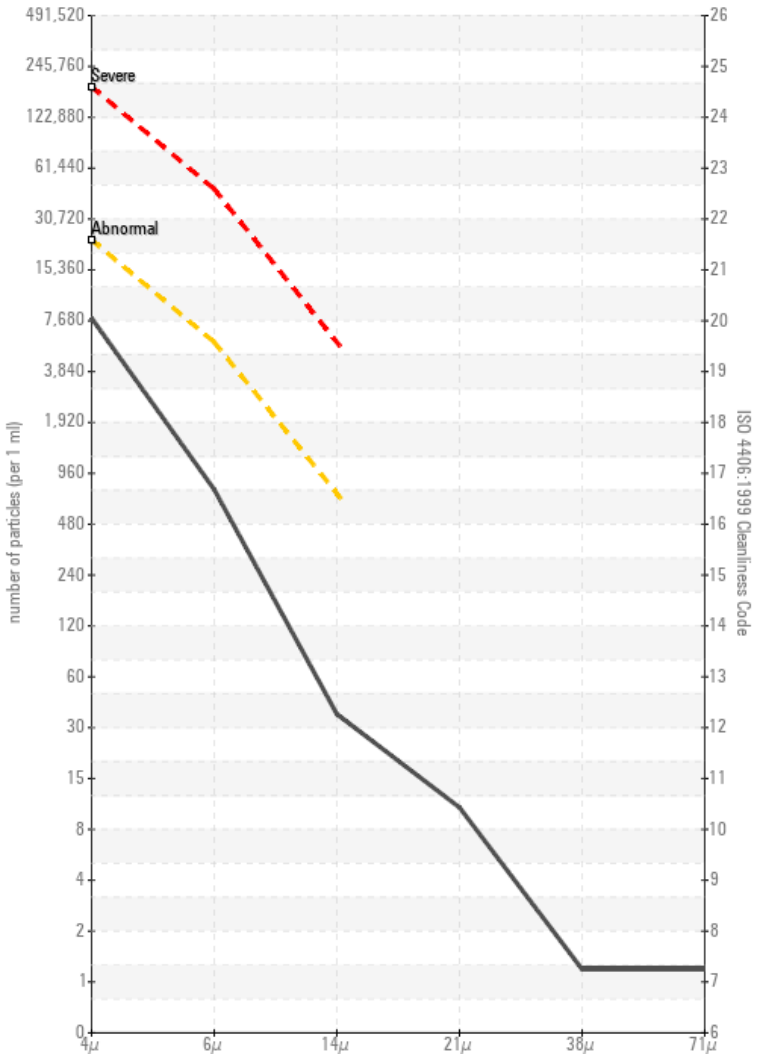
#### Non-ferrous Metals



#### Viscosity @ 40°C



#### Particle Count



#### Acid Number

