

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH40C 146602-1527 - Hydraulic System

Sample No: LH0266330

Oil Type: LIEBHERR HYDRAULIC HVI



SAMPLE INFORMATION

Sample Number	LH0266330	WC	---	---
Sample Date	01 Nov 2023	10 Aug 2023	---	---
Machine Hours	1016	500	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Chngd	N/A	---	---
Sample Status	NORMAL	NORMAL	---	---

CALGARY METALS (1985) LTD.
 3415 OGDEN RD. SE.
 CALGARY, AB
 CA T2G 4N4
 Contact: Steve Goodzeck
 sgoodzeck@calgarymetal.com
 T: (403)262-4542
 F:



OIL CONDITION

Visc @ 40°C	cSt	● 44.2	● 45.0	---	---
Acid Number (AN)	mg KOH/g	● 1.54	---	---	---



CONTAMINATION

Particles >4µm		● 692	---	---	---
Particles >6µm		● 167	---	---	---
Particles >14µm		● 15	---	---	---
ISO 4406:1999 (c)		17/15/11	---	---	---
Silicon	ppm	● 5	● 4	---	---
Sodium	ppm	● 2	● 1	---	---
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. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



WEAR METALS

Iron	ppm	● 12	● 10	---	---
Copper	ppm	● 5	● 4	---	---
Lead	ppm	● <1	● <1	---	---
Tin	ppm	● 0	● 0	---	---
Aluminum	ppm	● <1	● <1	---	---
Chromium	ppm	● <1	● <1	---	---
Molybdenum	ppm	● 0	0	---	---
Nickel	ppm	● 0	● 0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	<1	0	---	---
Manganese	ppm	● 0	<1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

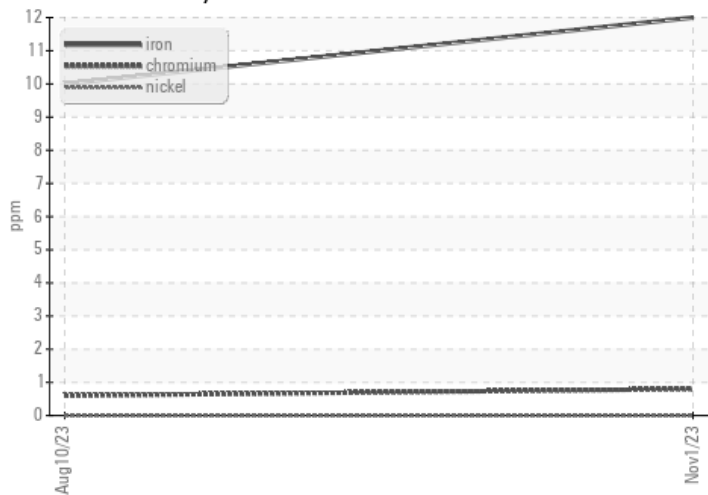
Calcium	ppm	● 1351	1359	---	---
Magnesium	ppm	● 4	4	---	---
Zinc	ppm	● 688	703	---	---
Phosphorus	ppm	● 584	657	---	---
Barium	ppm	● <1	0	---	---
Boron	ppm	● <1	<1	---	---

Depot: CAL341CAL
 Unique No: 5672453
 Signed: Wes Davis
 Report Date: 10 Nov 2023

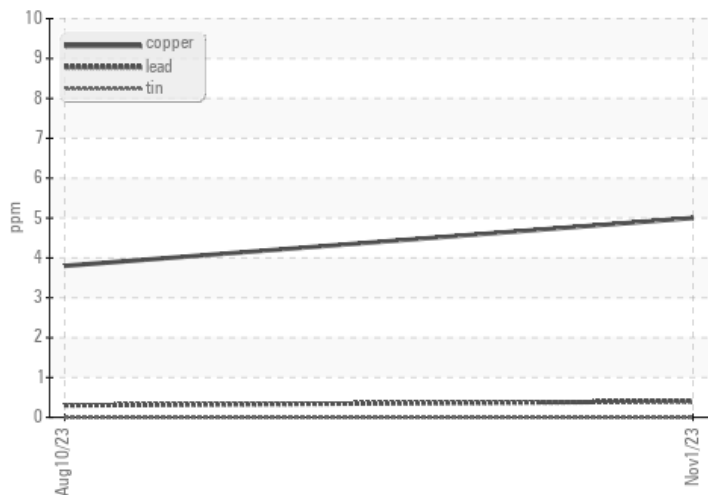


GRAPHS

Ferrous Alloys



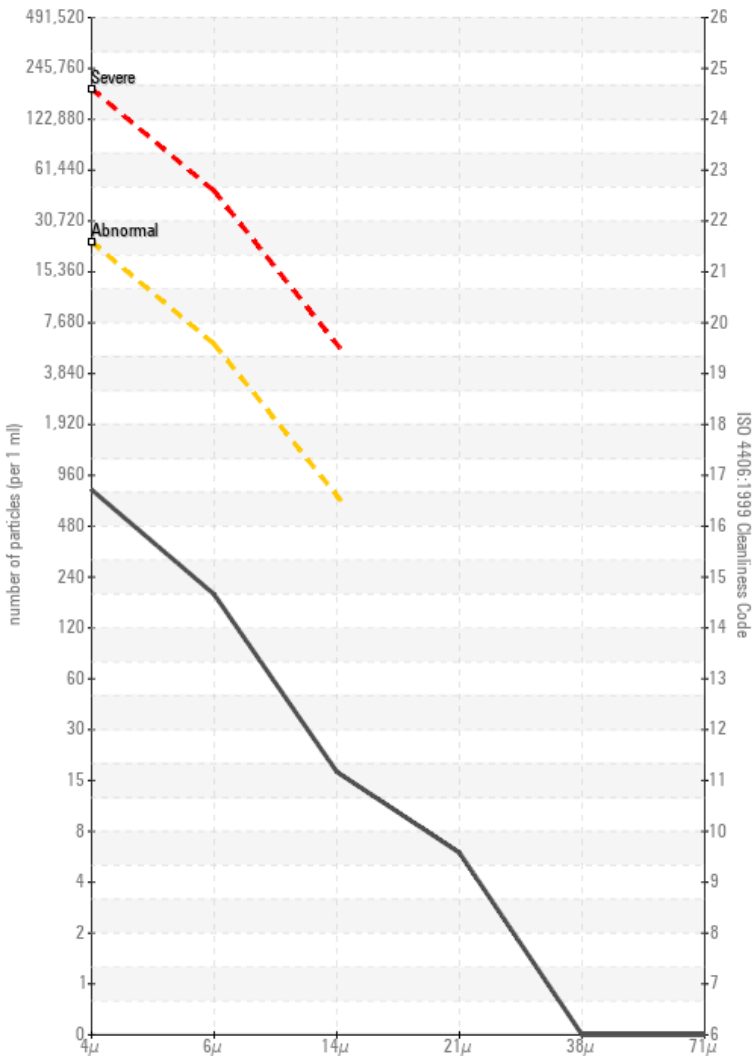
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

