

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH30M 136518-1253 - Hydraulic System

Sample No: LH0228853
 Oil Type: NOT GIVEN



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 EDMONTON, AB
 CA T6P 1P6
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SAMPLE INFORMATION

Sample Number	LH0228853	LH0228841	---	---
Sample Date	05 Jun 2023	16 Nov 2022	---	---
Machine Hours	2000	1000	---	---
Oil Hours	0	0	---	---
Oil Changed	N/A	Not Changd	---	---
Sample Status	NORMAL	ABNORMAL	---	---



OIL CONDITION

Visc @ 40°C	cSt	● 42.3	● 42.9	---	---
Acid Number (AN)	mg KOH/g	● 0.98	● 1.53	---	---



CONTAMINATION

Particles >4µm		● 2761	● 8331	---	---
Particles >6µm		● 698	● 3117	---	---
Particles >14µm		● 53	● 465	---	---
ISO 4406:1999 (c)		19/17/13	20/19/16	---	---
Silicon	ppm	● 3	● 2	---	---
Sodium	ppm	● 3	● 2	---	---
Potassium	ppm	● 1	● <1	---	---



WEAR METALS

Iron	ppm	● 17	● 15	---	---
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	● <1	● 0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	<1	<1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	1185	1370	---	---
Magnesium	ppm	4	4	---	---
Zinc	ppm	695	656	---	---
Phosphorus	ppm	634	634	---	---
Barium	ppm	0	0	---	---
Boron	ppm	1	<1	---	---

Diagnosis

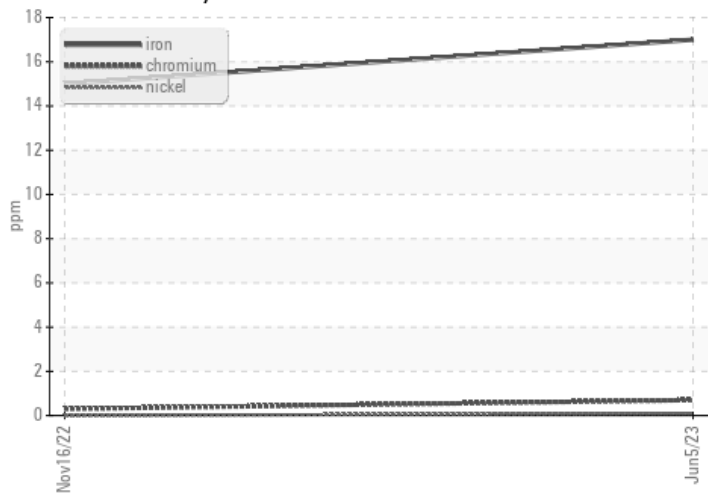
Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Depot: CAC241EDM
 Unique No: 5620769
 Signed: Wes Davis
 Report Date: 15 Aug 2023

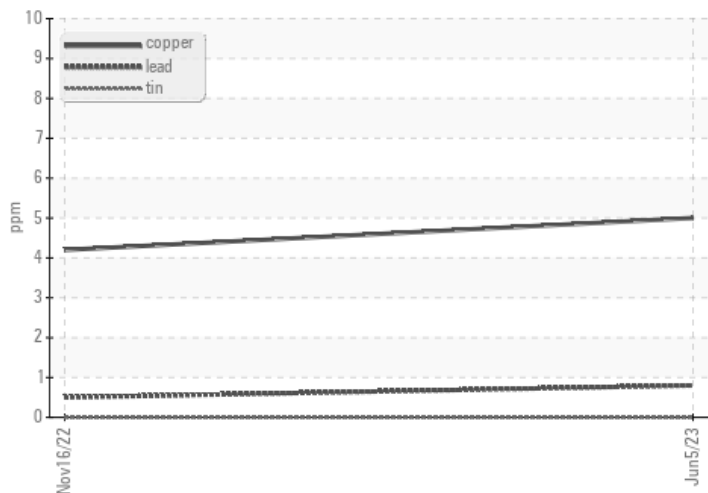


GRAPHS

Ferrous Alloys



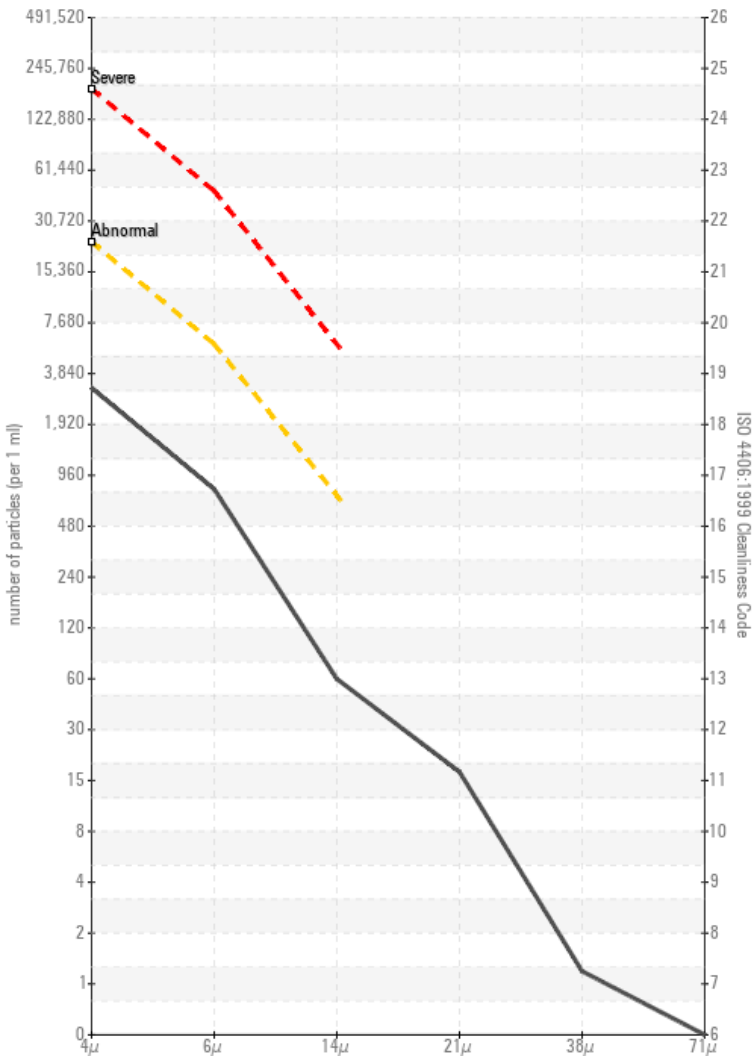
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

