

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR 8130.1185341 - Hydraulic System

Sample No: LH0264478

Oil Type: {unknown}



Sample Information

Sample Number	LH0264478	LH0272556	---	---
Sample Date	24 Apr 2024	21 Oct 2023	---	---
Machine Hours	2622	464	---	---
Oil Hours	2622	464	---	---
Oil Changed	N/A	Not Changd	---	---
Sample Status	NORMAL	NORMAL	---	---

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 WESTERVILLE, OH
 US 43081
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 F:



Oil Condition

Visc @ 40°C	cSt	36.5	37.1	---	---
Acid Number (AN)	mg KOH/g	0.58	0.58	---	---



Contamination

Water	%	NEG	NEG	---	---
Particles >4µm		434	1507	---	---
Particles >6µm		117	351	---	---
Particles >14µm		12	24	---	---
ISO 4406:1999 (c)		16/14/11	18/16/12	---	---
Silicon	ppm	1	2	---	---
Sodium	ppm	2	0	---	---
Potassium	ppm	0	2	---	---

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.



Wear Metals

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



Additives

Calcium	ppm	752	770	---	---
Magnesium	ppm	0	3	---	---
Zinc	ppm	615	625	---	---
Phosphorus	ppm	485	454	---	---
Barium	ppm	0	0	---	---
Boron	ppm	21	23	---	---

Depot: OBAWES
Unique No: 11009671
Signed: Wes Davis
Report Date: 06 May 2024

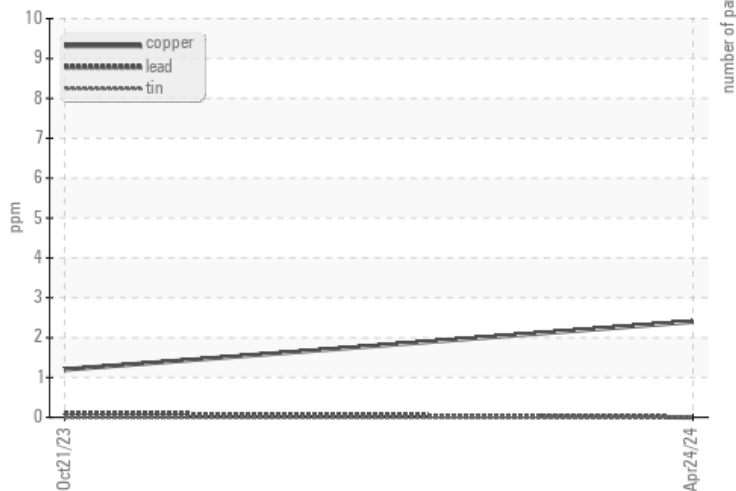


Graphs

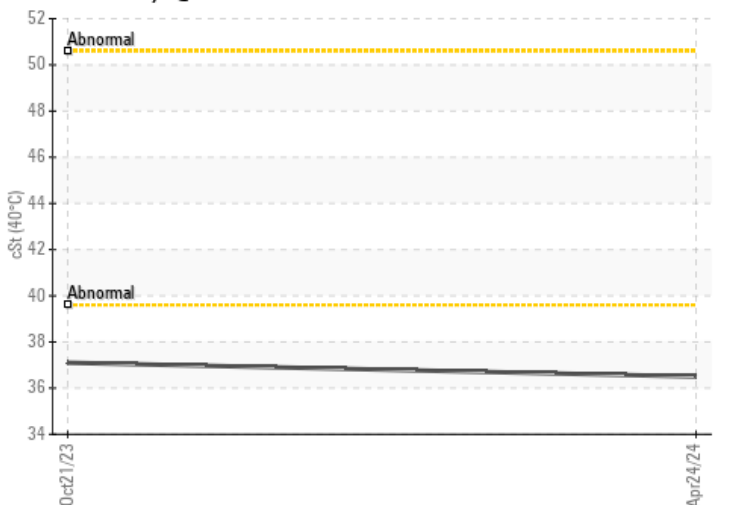
Ferrous Alloys



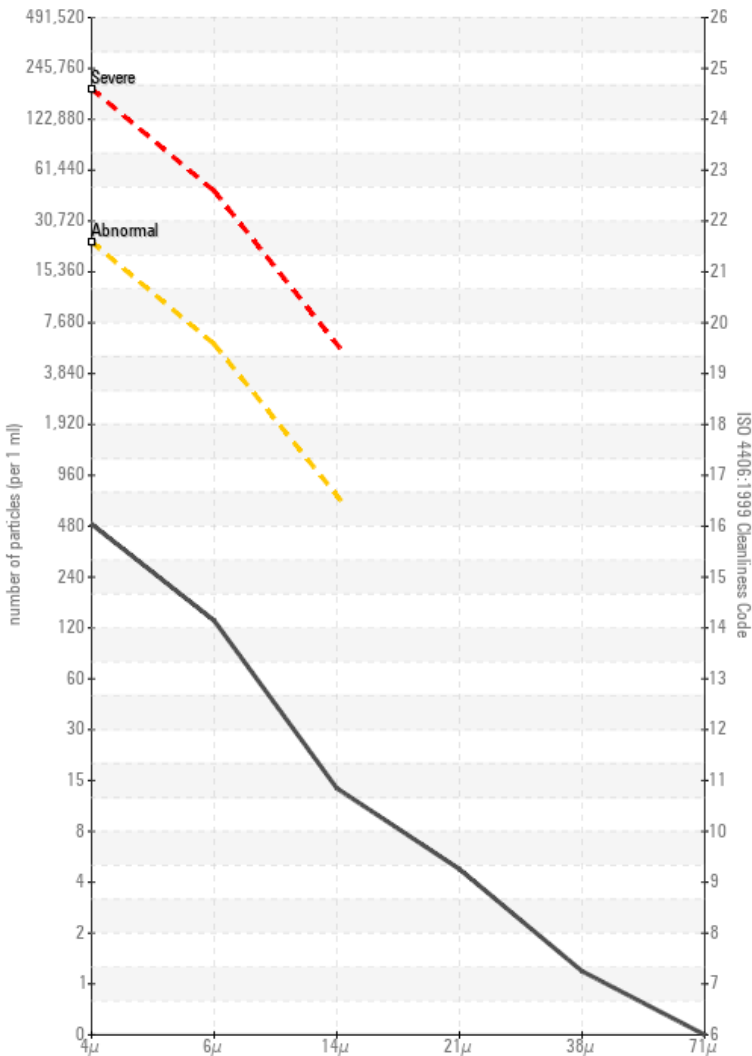
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

