

LIEBHERR

CONSTRUCTION EQUIPMENT



[(347073)] LIEBHERR R966 048149-1535 - Hydraulic System

Sample No: LH0274613

Oil Type: NOT GIVEN



SAMPLE INFORMATION

Sample Number	LH0274613	LH	---	---
Sample Date	14 Sep 2023	20 Jan 2022	---	---
Machine Hours	1959	637	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Changd	Not Changd	---	---
Sample Status	NORMAL	NORMAL	---	---

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 415 Warren Road
 King City, ON
 CA L7B 1C4
 Contact: Frank Provenzano
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 T: (416)990-4582
 F:



OIL CONDITION

Visc @ 40°C	cSt	34.1	34.5	---	---
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CONTAMINATION

Particles >4µm		8903	9456	---	---
Particles >6µm		2353	594	---	---
Particles >14µm		130	15	---	---
ISO 4406:1999 (c)		20/18/14	20/16/11	---	---
Silicon	ppm	4	3	---	---
Sodium	ppm	2	1	---	---
Potassium	ppm	2	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 condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	37	20	---	---
Copper	ppm	3	2	---	---
Lead	ppm	<1	<1	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	<1	<1	---	---
Chromium	ppm	<1	<1	---	---
Molybdenum	ppm	0	<1	---	---
Nickel	ppm	<1	<1	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	<1	<1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

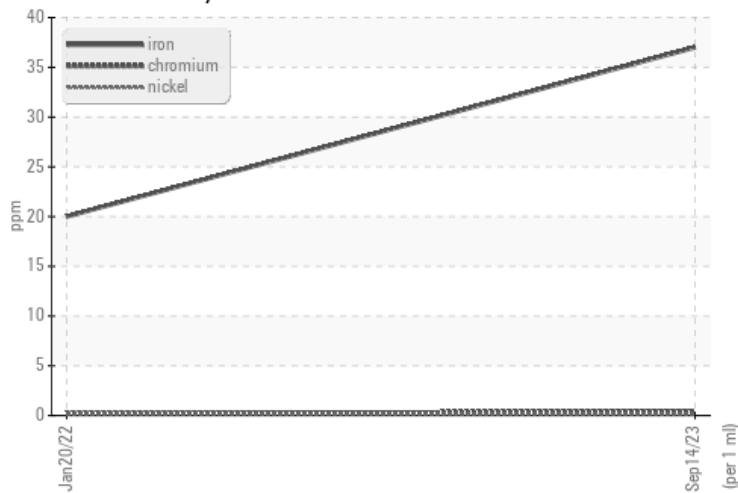
Calcium	ppm	976	1048	---	---
Magnesium	ppm	5	5	---	---
Zinc	ppm	627	602	---	---
Phosphorus	ppm	638	609	---	---
Barium	ppm	0	0	---	---
Boron	ppm	<1	<1	---	---

Depot: ZANKIN
Unique No: 5643926
Signed: Wes Davis
Report Date: 18 Sep 2023

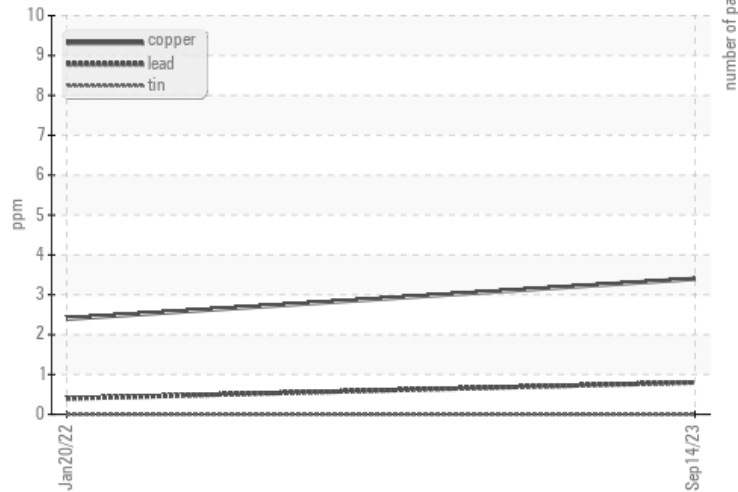


GRAPHS

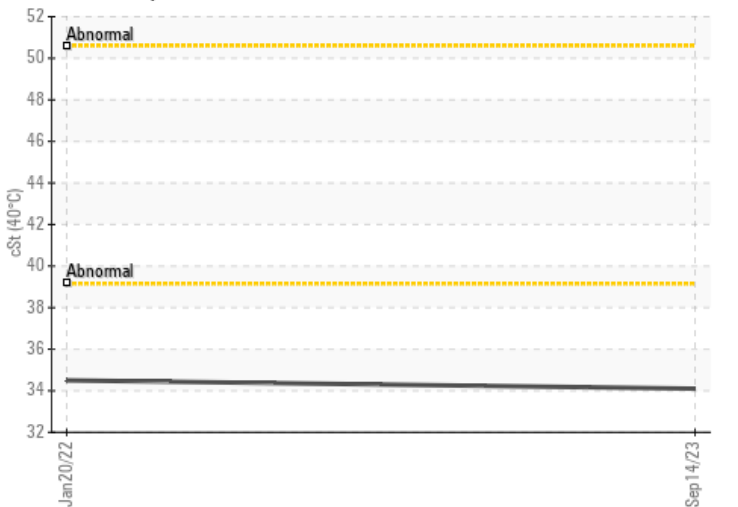
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

