

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L586 048507-1334 - Hydraulic System

Sample No: LH
 Oil Type: NOT GIVEN



SAMPLE INFORMATION

Sample Number	LH	---	---	---
Sample Date	20 Dec 2023	---	---	---
Machine Hours	24016	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ABNORMAL	---	---	---

AGREGAT RN
 100 AVE MARCEL BARIL
 ROUYN-NORANDA, QC
 CA J9X 7B8
 Contact: Marcel Coulombe



OIL CONDITION

Visc @ 40°C	cSt	41.6	---	---	---
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T: (819)764-2473
 F:



CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		19064	---	---	---
Particles >6µm		614	---	---	---
Particles >14µm		15	---	---	---
ISO 4406:1999 (c)		21/16/11	---	---	---
Silicon	ppm	14	---	---	---
Sodium	ppm	11	---	---	---
Potassium	ppm	2	---	---	---

Diagnosis

We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition. Please specify the brand, type, and viscosity of the oil on your next sample. Chromium and copper ppm levels are abnormal. Aluminum ppm levels are marginal. Ring wear is indicated. Bearing and/or bushing wear is indicated. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. The oil is no longer serviceable as a result of the abnormal and/or severe wear.



WEAR METALS

Iron	ppm	38	---	---	---
Copper	ppm	22	---	---	---
Lead	ppm	4	---	---	---
Tin	ppm	<1	---	---	---
Aluminum	ppm	5	---	---	---
Chromium	ppm	15	---	---	---
Molybdenum	ppm	0	---	---	---
Nickel	ppm	<1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	0	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

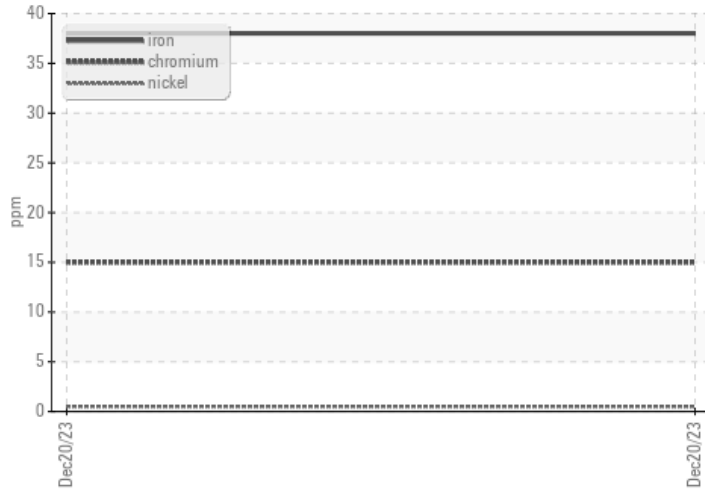
Calcium	ppm	1084	---	---	---
Magnesium	ppm	8	---	---	---
Zinc	ppm	1405	---	---	---
Phosphorus	ppm	1348	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	26	---	---	---

Depot: AGRROU
 Unique No: 5698096
 Signed: Kevin Marson
 Report Date: 27 Dec 2023

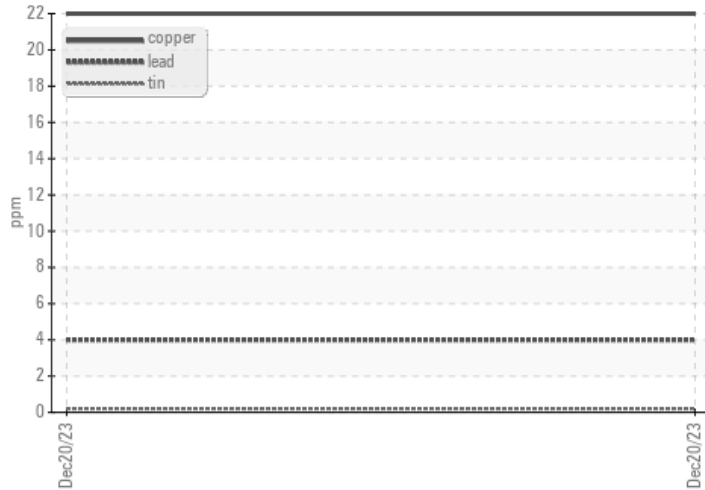


GRAPHS

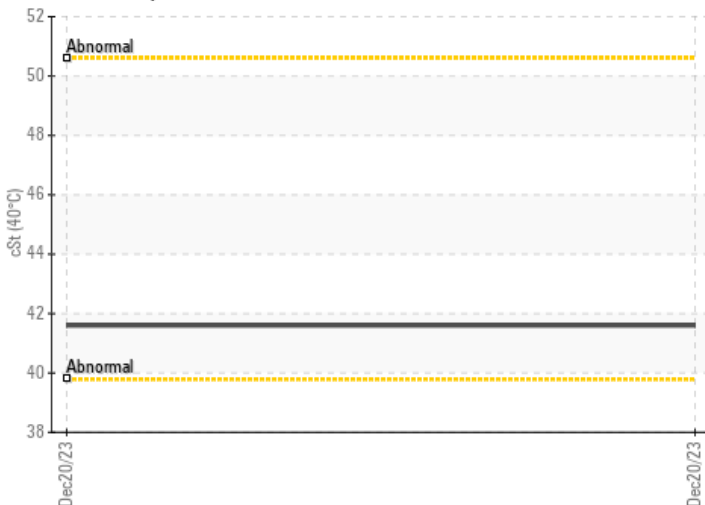
● Ferrous Alloys



● Non-ferrous Metals



Viscosity @ 40°C



Particle Count

