

LIEBHERR

CONSTRUCTION EQUIPMENT



141510-1216 LIEBHERR LH50M 141510-1216 - Hydraulic System

Sample No: DJJ0021683

Oil Type: {unknown}



RIVER METALS RECYCLING - LOUISVILLE
 PO BOX 6521
 LOUISVILLE, KY
 US 40206
 Contact: RYAN BOWDEN

T:
 F: (502)587-8699



SAMPLE INFORMATION

Sample Number	DJJ0021683	DJJ0017977	---	---
Sample Date	07 Dec 2023	09 Mar 2023	---	---
Machine Hours	3025	1432	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Changd	Not Changd	---	---
Sample Status	NORMAL	ATTENTION	---	---



OIL CONDITION

Visc @ 40°C	cSt	42.7	43.4	---	---
Acid Number (AN)	mg KOH/g	0.92	0.98	---	---



CONTAMINATION

Water	%	NEG	NEG	---	---
Particles >4µm		4536	23414	---	---
Particles >6µm		1101	4643	---	---
Particles >14µm		63	147	---	---
ISO 4406:1999 (c)		19/17/13	22/19/14	---	---
Silicon	ppm	5	4	---	---
Sodium	ppm	2	0	---	---
Potassium	ppm	0	2	---	---



WEAR METALS

Iron	ppm	7	7	---	---
Copper	ppm	4	3	---	---
Lead	ppm	<1	0	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	<1	2	---	---
Chromium	ppm	<1	<1	---	---
Molybdenum	ppm	2	2	---	---
Nickel	ppm	0	<1	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	<1	<1	---	---
Vanadium	ppm	<1	0	---	---



ADDITIVES

Calcium	ppm	1303	1297	---	---
Magnesium	ppm	24	18	---	---
Zinc	ppm	674	678	---	---
Phosphorus	ppm	613	569	---	---
Barium	ppm	0	0	---	---
Boron	ppm	4	3	---	---

Diagnosis

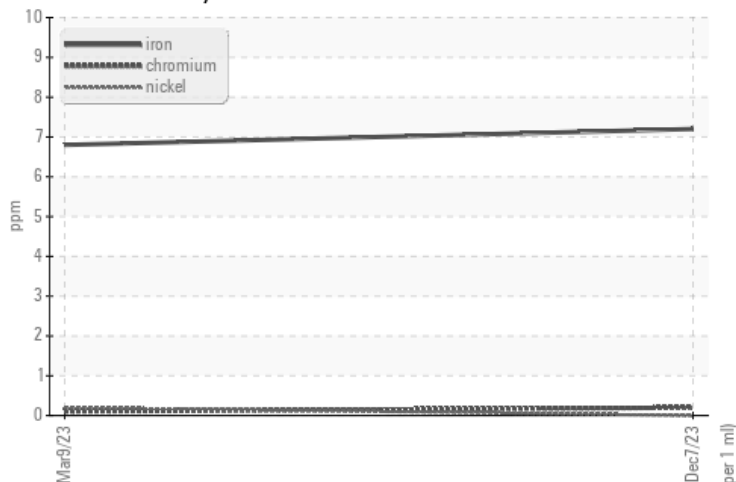
Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. The AN level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

Depot: RIVLOU
 Unique No: 10783211
 Signed: Wes Davis
 Report Date: 14 Dec 2023

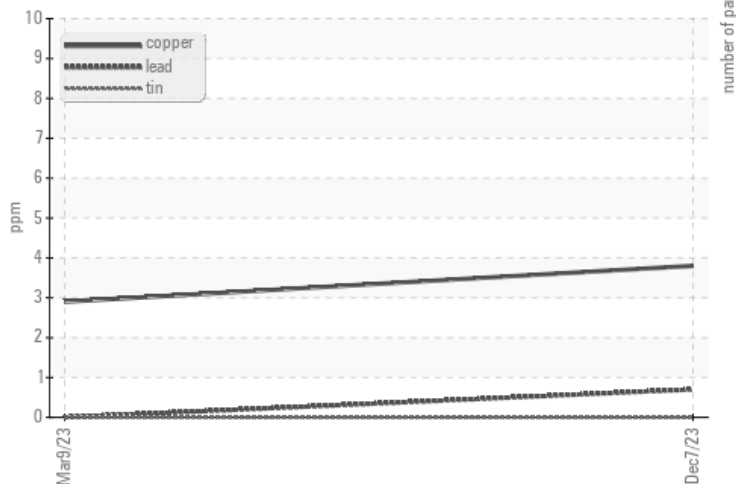


GRAPHS

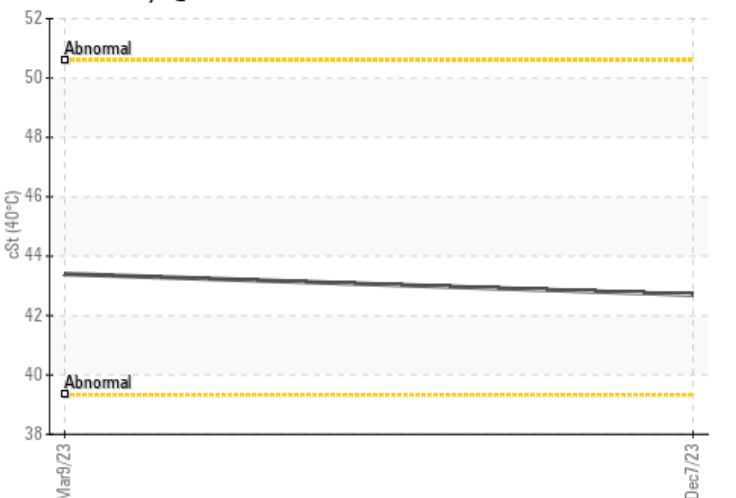
Ferrous Alloys



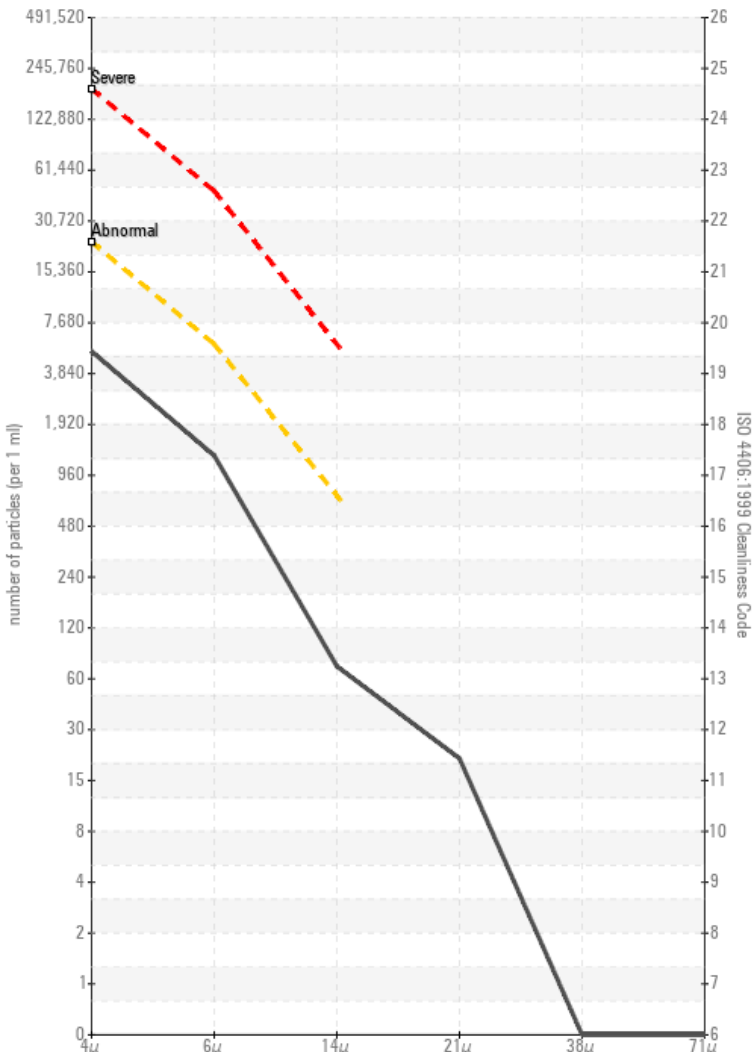
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

