

LIEBHERR

CONSTRUCTION EQUIPMENT



[RMR-Louisville] LIEBHERR LH60M 114199-1217 - Hydraulic Sy

Sample No: LHMC107758

Oil Type: MULTI 46



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

T:
F: (502)587-8699

Diagnosis

Resample at the next service interval to monitor. 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.



SAMPLE INFORMATION

Sample Number	LHMC107758	DJJ0004050	LHMC88621	---
Sample Date	03 Mar 2021	18 Nov 2020	03 Apr 2020	---
Machine Hours	3793	3111	1846	---
Oil Hours	0	0	0	---
Oil Changed	Not Changd	Not Changd	Not Changd	---
Sample Status	NORMAL	ABNORMAL	ATTENTION	---



OIL CONDITION

Visc @ 40°C	cSt	45.2	46.1	44.1	---
Acid Number (AN)	mg KOH/g	0.359	0.644	0.743	---



CONTAMINATION

Particles >4µm		4749	52432	26633	---
Particles >6µm		1115	6361	5760	---
Particles >14µm		74	288	229	---
ISO 4406:1999 (c)		19/17/13	23/20/15	22/20/15	---
Silicon	ppm	<1	4	3	---
Sodium	ppm	0	2	2	---
Potassium	ppm	<1	0	0	---



WEAR METALS

Iron	ppm	6	7	9	---
Copper	ppm	3	3	4	---
Lead	ppm	<1	1	1	---
Tin	ppm	0	0	0	---
Aluminum	ppm	0	<1	<1	---
Chromium	ppm	1	1	1	---
Molybdenum	ppm	4	3	4	---
Nickel	ppm	0	0	<1	---
Titanium	ppm	<1	0	<1	---
Silver	ppm	<1	0	<1	---
Manganese	ppm	<1	<1	<1	---
Vanadium	ppm	0	<1	0	---



ADDITIVES

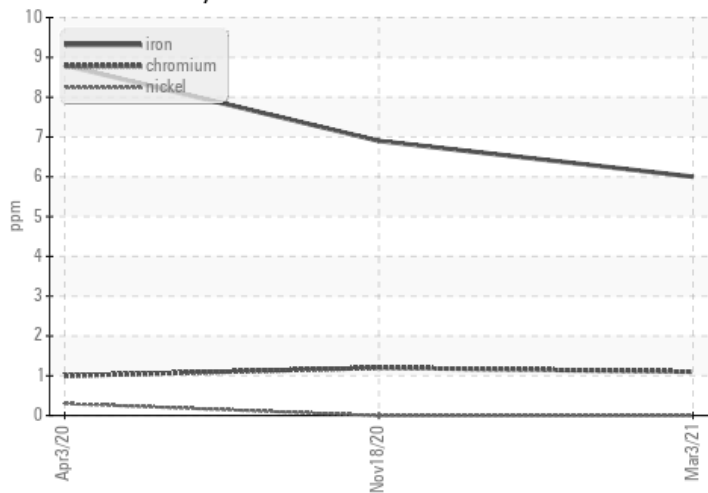
Calcium	ppm	167	229	553	---
Magnesium	ppm	28	31	66	---
Zinc	ppm	454	453	528	---
Phosphorus	ppm	364	374	454	---
Barium	ppm	0	0	0	---
Boron	ppm	13	10	15	---

Depot: RIVLOU
Unique No: 9404462
Signed: Wes Davis
Report Date: 15 Mar 2021

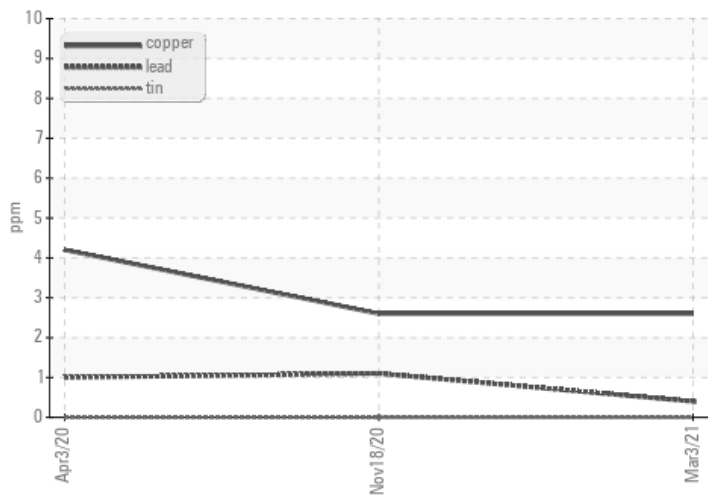


GRAPHS

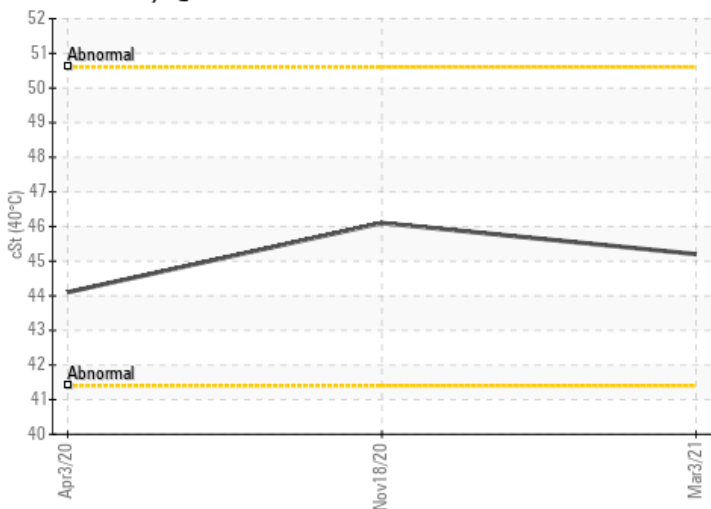
Ferrous Alloys



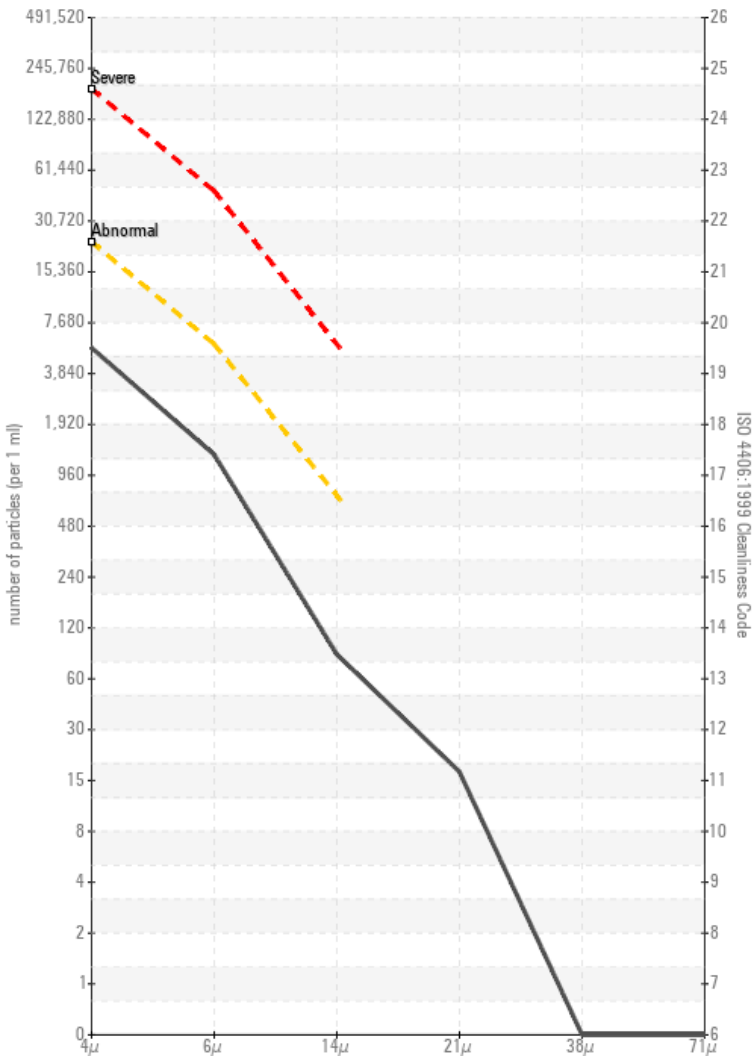
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

