

LIEBHERR

CONSTRUCTION EQUIPMENT



[RMR-Newport] 1217-97851 LIEBHERR LH60M 1217-97851 - Hydraul

Sample No: LH0244699

Oil Type: {unknown}



SAMPLE INFORMATION

Sample Number	LH0244699	DJJ0017597	DJJ0016510	DJJ0011533
Sample Date	13 Mar 2024	20 Oct 2023	31 Jan 2023	03 Mar 2022
Machine Hours	13914	13117	11593	9734
Oil Hours	0	0	0	0
Oil Changed	N/A	Not Changd	Not Changd	Changed
Sample Status	NORMAL	NORMAL	NORMAL	ABNORMAL

RIVER METALS RECYCLING - NEWPORT
P.O. BOX 72-220
NEWPORT, KY
US 41072
Contact: RYAN BOWDEN



OIL CONDITION

Visc @ 40°C	cSt	43.4	43.4	43.6	43.3
Acid Number (AN)	mg KOH/g	0.36	0.27	0.32	0.33

T:
F: (859)291-0086



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Particles >4µm		5102	7016	1956	---
Particles >6µm		1239	1194	323	---
Particles >14µm		89	78	11	---
ISO 4406:1999 (c)		20/17/14	20/17/13	18/16/11	---
Silicon	ppm	<1	<1	<1	<1
Sodium	ppm	<1	0	<1	0
Potassium	ppm	<1	2	0	<1

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	6	9	4	4
Copper	ppm	<1	2	1	<1
Lead	ppm	0	<1	0	<1
Tin	ppm	<1	0	0	0
Aluminum	ppm	0	1	0	<1
Chromium	ppm	<1	2	<1	<1
Molybdenum	ppm	2	4	2	1
Nickel	ppm	0	0	0	0
Titanium	ppm	0	<1	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	0	0	0
Vanadium	ppm	0	0	0	0



ADDITIVES

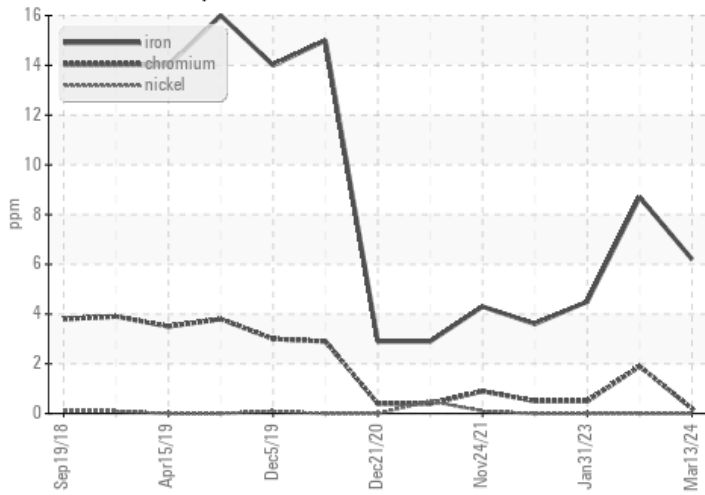
Calcium	ppm	82	88	74	72
Magnesium	ppm	9	14	7	7
Zinc	ppm	469	457	431	469
Phosphorus	ppm	360	380	354	351
Barium	ppm	0	0	0	0
Boron	ppm	2	<1	0	2

Depot: RIVNEW
Unique No: 10937739
Signed: Wes Davis
Report Date: 25 Mar 2024

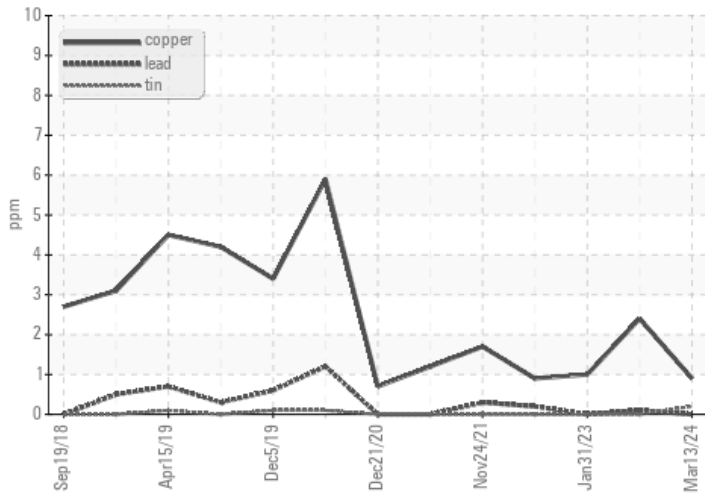


GRAPHS

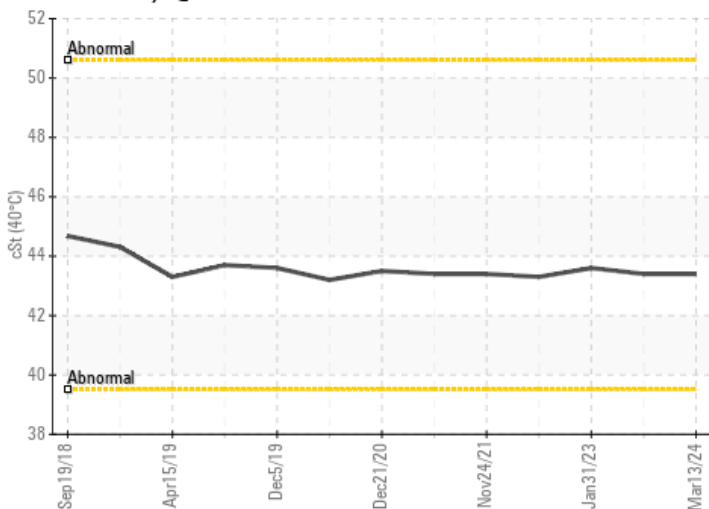
Ferrous Alloys



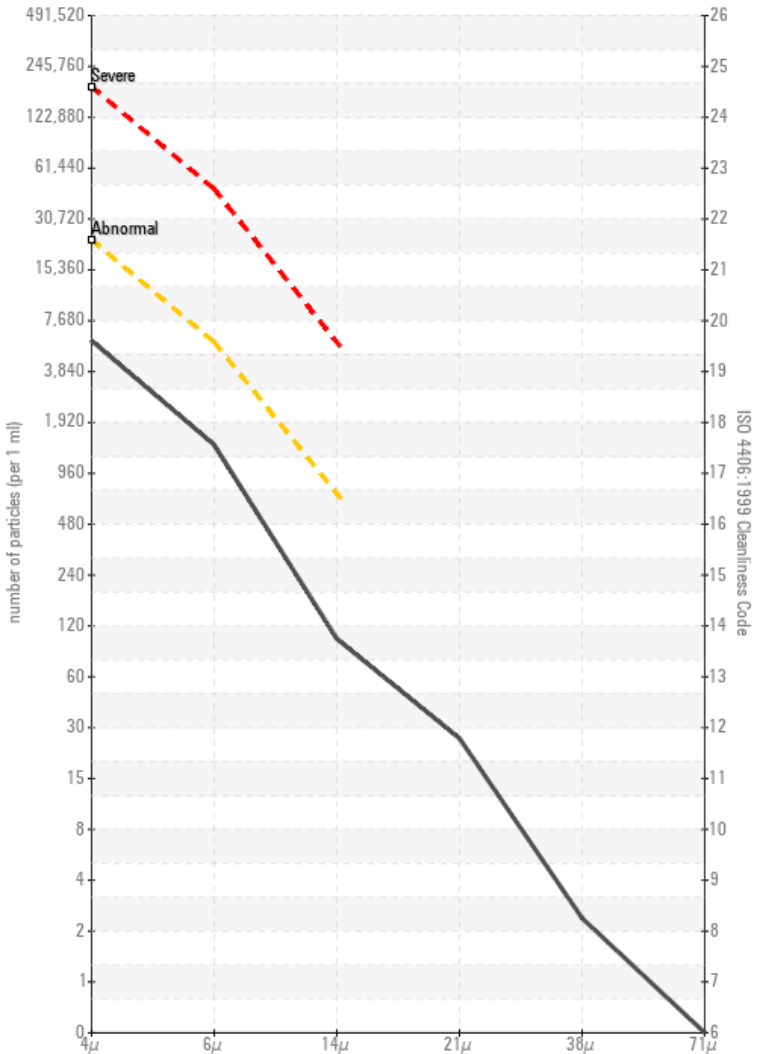
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

