

LIEBHERR

CONSTRUCTION EQUIPMENT



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

Sample No: LH0244700

Oil Type: LIEBHERR GEAR BASIC 90 LS



SAMPLE INFORMATION

Sample Number	LH0244700	DJJ0016504	DJJ0011539	DJJ0011913
Sample Date	13 Mar 2024	31 Jan 2023	05 Mar 2022	24 Nov 2021
Machine Hours	13914	11593	9734	9121
Oil Hours	0	0	0	0
Oil Changed	N/A	Not Changd	Changed	Not Changd
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	182	183	190	191
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T:
F: (859)291-0086



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	1	1	2	1
Sodium	ppm	2	3	6	4
Potassium	ppm	<1	<1	0	0

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	153	64	133	82
Copper	ppm	71	40	107	78
Lead	ppm	<1	0	<1	<1
Tin	ppm	8	5	16	12
Aluminum	ppm	2	0	<1	<1
Chromium	ppm	2	<1	1	<1
Molybdenum	ppm	<1	<1	<1	<1
Nickel	ppm	<1	0	0	<1
Titanium	ppm	<1	0	0	<1
Silver	ppm	0	0	<1	<1
Manganese	ppm	1	<1	1	<1
Vanadium	ppm	<1	0	0	<1



ADDITIVES

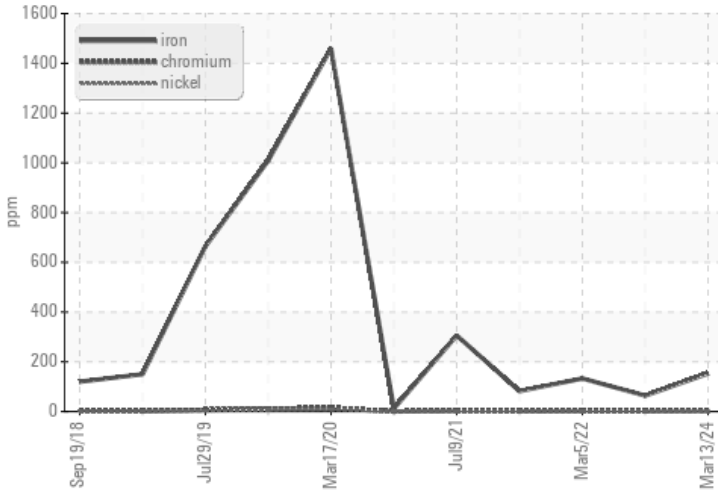
Calcium	ppm	20	16	34	12
Magnesium	ppm	<1	<1	<1	2
Zinc	ppm	9	14	20	14
Phosphorus	ppm	2071	2165	2230	2192
Barium	ppm	0	0	0	2
Boron	ppm	0	3	2	35

Depot: RIVNEW
Unique No: 10938157
Signed: Wes Davis
Report Date: 21 Mar 2024

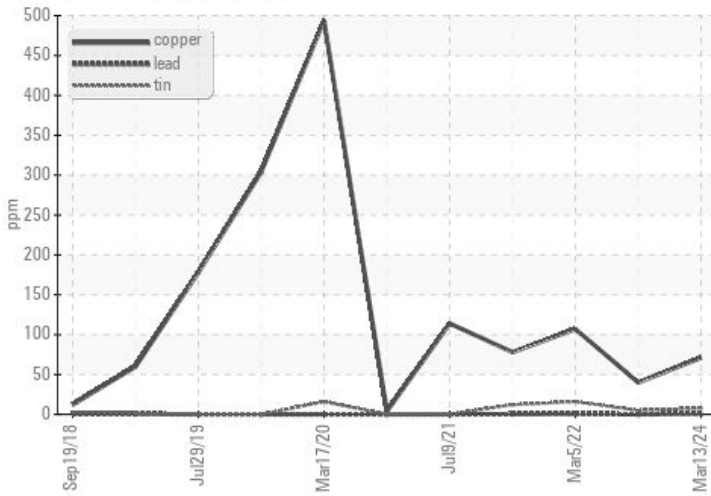


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

