

LIEBHERR

CONSTRUCTION EQUIPMENT



021388-783 LIEBHERR R954 021388-783 - Splitter Box

Sample No: LH0258358

Oil Type: GEAR OIL SAE 80W90



SAMPLE INFORMATION

Sample Number	LH0258358	DJJ0018050	DJJ0017613	DJJ0016558
Sample Date	12 Mar 2024	26 Nov 2023	25 Oct 2023	15 Feb 2023
Machine Hours	0	0	4778	3842
Oil Hours	0	0	0	0
Oil Changed	N/A	N/A	Changed	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	104	111	112	113
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T:
F: (859)291-0086



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	2	1	<1	3
Sodium	ppm	0	2	2	6
Potassium	ppm	0	2	2	10

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	39	5	25	82
Copper	ppm	<1	<1	7	40
Lead	ppm	0	0	0	0
Tin	ppm	0	0	0	<1
Aluminum	ppm	<1	3	2	14
Chromium	ppm	<1	0	0	<1
Molybdenum	ppm	0	<1	0	2
Nickel	ppm	0	0	0	0
Titanium	ppm	0	0	0	<1
Silver	ppm	0	0	0	0
Manganese	ppm	<1	0	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	4	14	10	22
Magnesium	ppm	0	0	11	2
Zinc	ppm	23	13	5	33
Phosphorus	ppm	233	262	290	363
Barium	ppm	0	0	0	0
Boron	ppm	0	1	<1	5

Depot: RIVNEW
Unique No: 10927531
Signed: Don Baldrige
Report Date: 18 Mar 2024

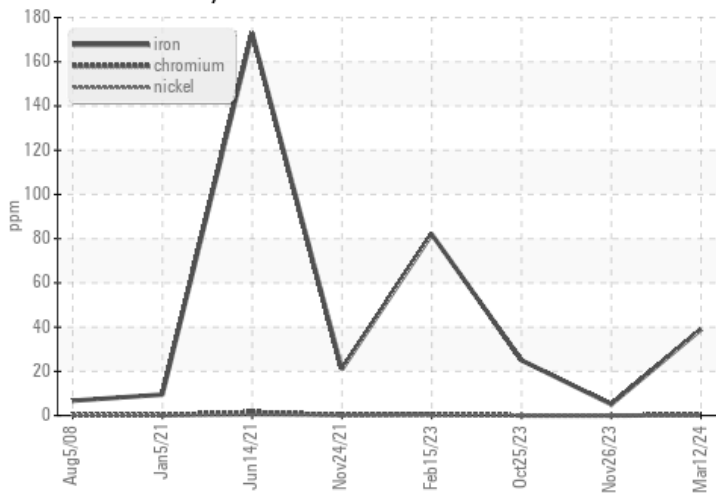
LIEBHERR

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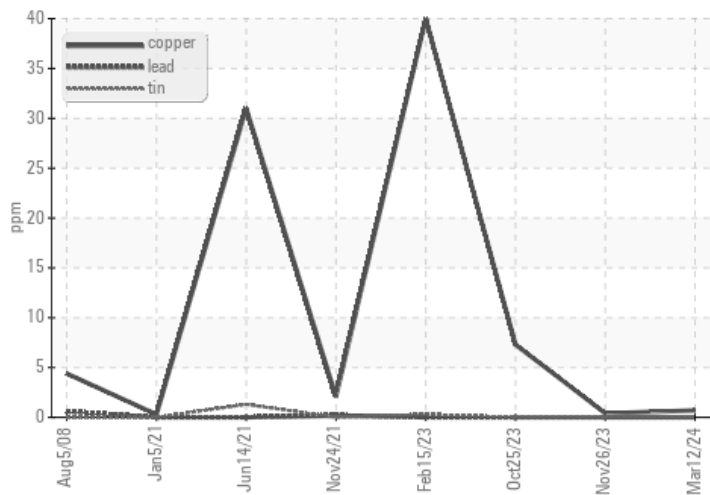


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

