

LIEBHERR

CONSTRUCTION EQUIPMENT



[RMR-Newport] 67152 LIEBHERR R954C 033850-781 - Swing

Sample No: LH0254376

Oil Type: LIEBHERR GEAR BASIC 90 LS



SAMPLE INFORMATION

Sample Number	LH0254376	DJJ0016701	DJJ0011893	DJJ0004102
Sample Date	19 Mar 2024	05 Jan 2023	19 May 2022	02 Apr 2021
Machine Hours	0	18056	16779	14324
Oil Hours	0	0	0	0
Oil Changed	N/A	Not Changd	Not Changd	Changed
Sample Status	ABNORMAL	NORMAL	ABNORMAL	MARGINAL

RIVER METALS RECYCLING - ASHLAND
1900 FRONT ST
ASHLAND, KY
US 41101
Contact: Service Manager



OIL CONDITION

Visc @ 40°C	cSt	188	207	217	207
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T:
F:



CONTAMINATION

Water	%	NEG	NEG	0.477	0.137
Silicon	ppm	1	3	3	4
Sodium	ppm	3	0	3	10
Potassium	ppm	2	<1	0	3

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. Moderate concentration of visible dirt/debris present in the oil. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	268	601	737	409
Copper	ppm	93	80	87	22
Lead	ppm	<1	0	<1	<1
Tin	ppm	6	3	4	<1
Aluminum	ppm	<1	2	2	0
Chromium	ppm	3	8	10	4
Molybdenum	ppm	0	2	1	<1
Nickel	ppm	2	2	4	2
Titanium	ppm	0	0	0	<1
Silver	ppm	0	<1	<1	<1
Manganese	ppm	2	5	5	4
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	27	41	39	17
Magnesium	ppm	<1	2	2	2
Zinc	ppm	13	27	15	0
Phosphorus	ppm	2334	2113	2383	2142
Barium	ppm	0	1	0	<1
Boron	ppm	<1	2	2	4

Depot: RIVASHKY
Unique No: 10942329
Signed: Don Baldrige
Report Date: 27 Mar 2024

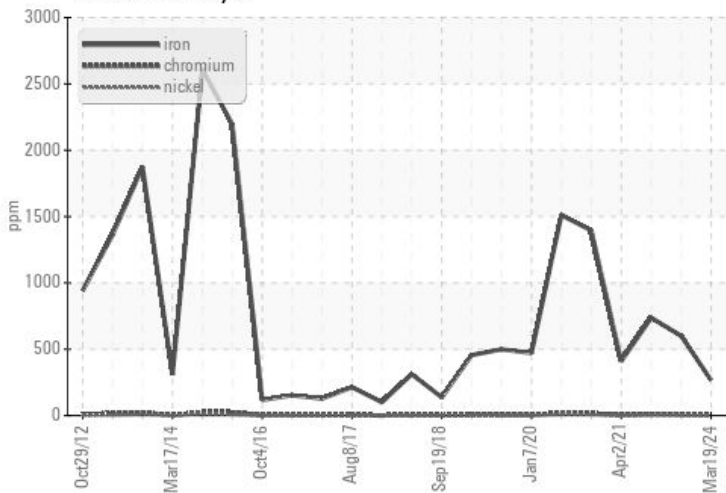
LIEBHERR

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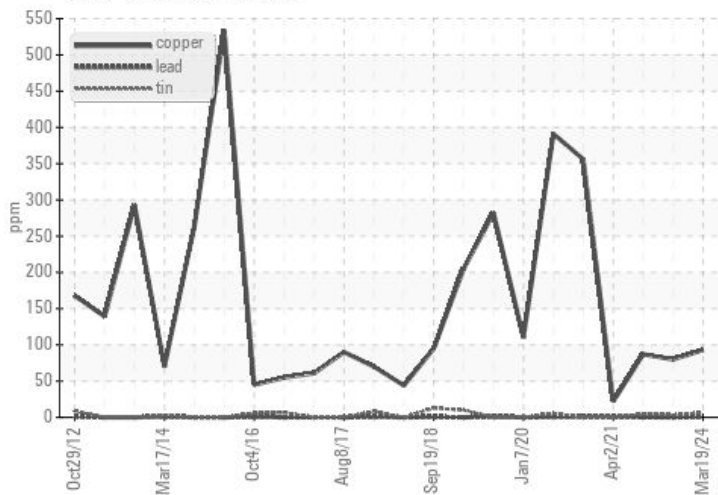


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

