

LIEBHERR

CONSTRUCTION EQUIPMENT



[[CLEVELAND CLIFF]] LIEBHERR LH60 107739-1217 - Rear Diffe

Sample No: LH0268104

Oil Type: LIEBHERR GEAR BASIC 90 LS



SAMPLE INFORMATION

Sample Number	LH0268104	LH0267582	LH0244209	LH0190746
Sample Date	22 Jan 2024	10 Oct 2023	26 Jan 2023	21 Jun 2021
Machine Hours	8998	8524	7471	4876
Oil Hours	1000	0	0	0
Oil Changed	Changed	N/A	Changed	N/A
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

FINKBINER EQUIPMENT CO.
 15 W 400 N FRONTAGE RD
 BURR RIDGE, IL
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 T: (815)546-8991
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OIL CONDITION

Visc @ 40°C	cSt	150	139	128	184
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	11	0	<1	1
Sodium	ppm	2	1	0	3
Potassium	ppm	2	0	1	<1

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	60	3	8	25
Copper	ppm	61	3	5	24
Lead	ppm	<1	0	0	0
Tin	ppm	<1	0	0	0
Aluminum	ppm	1	0	0	0
Chromium	ppm	<1	0	0	<1
Molybdenum	ppm	4	0	<1	<1
Nickel	ppm	<1	0	0	<1
Titanium	ppm	0	0	0	<1
Silver	ppm	0	0	0	0
Manganese	ppm	2	0	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

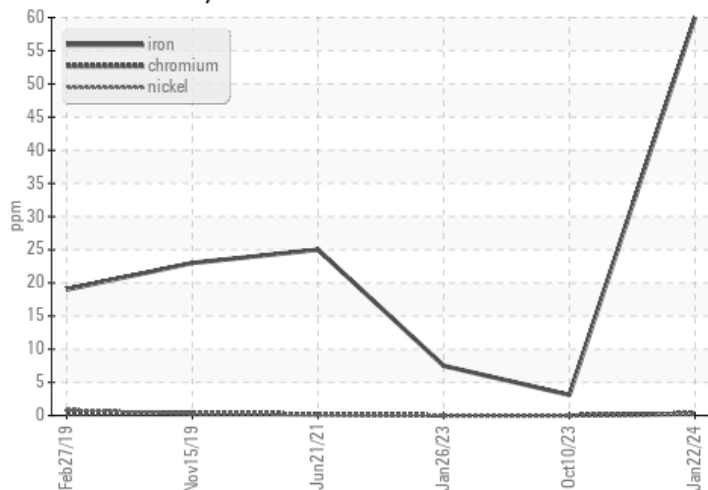
Calcium	ppm	133	6	72	17
Magnesium	ppm	2	0	2	5
Zinc	ppm	62	10	30	15
Phosphorus	ppm	1358	659	1786	2177
Barium	ppm	2	0	0	4
Boron	ppm	5	55	337	37

Depot: LEC0033
Unique No: 10884167
Signed: Don Baldrige
Report Date: 18 Feb 2024

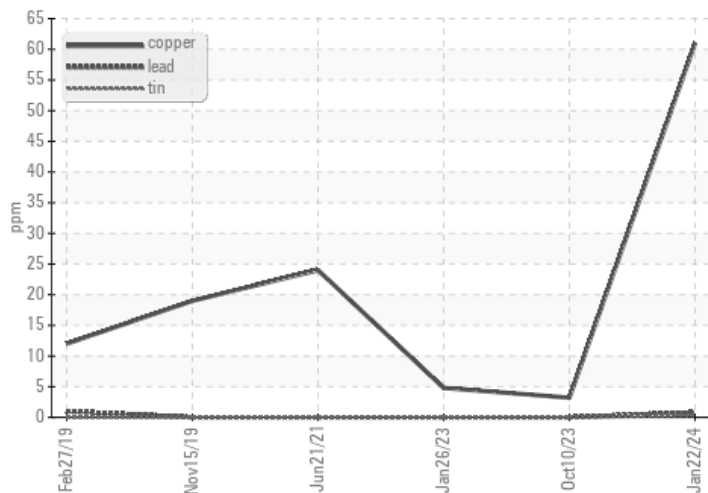


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

