

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH60 107739-1217 - Rear Differential

Sample No: LH0267582

Oil Type: LIEBHERR GEAR BASIC 90 LS



FINKBINER EQUIPMENT CO.
 15 W 400 N FRONTAGE RD
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 US 60527
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SAMPLE INFORMATION

Sample Number	LH0267582	LH0244209	LH0190746	LHMC141261
Sample Date	10 Oct 2023	26 Jan 2023	21 Jun 2021	15 Nov 2019
Machine Hours	8524	7471	4876	1922
Oil Hours	0	0	0	0
Oil Changed	N/A	Changed	N/A	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL



OIL CONDITION

Visc @ 40°C	cSt	139	128	184	193
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CONTAMINATION

Silicon	ppm	0	<1	1	2
Sodium	ppm	1	0	3	3
Potassium	ppm	0	1	<1	2



WEAR METALS

Iron	ppm	3	8	25	23
Copper	ppm	3	5	24	19
Lead	ppm	0	0	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	0	0	0	<1
Chromium	ppm	0	0	<1	<1
Molybdenum	ppm	0	<1	<1	0
Nickel	ppm	0	0	<1	<1
Titanium	ppm	0	0	<1	0
Silver	ppm	0	0	0	<1
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	0	0	0	<1



ADDITIVES

Calcium	ppm	6	72	17	18
Magnesium	ppm	0	2	5	<1
Zinc	ppm	10	30	15	20
Phosphorus	ppm	659	1786	2177	1942
Barium	ppm	0	0	4	47
Boron	ppm	55	337	37	2

Diagnosis

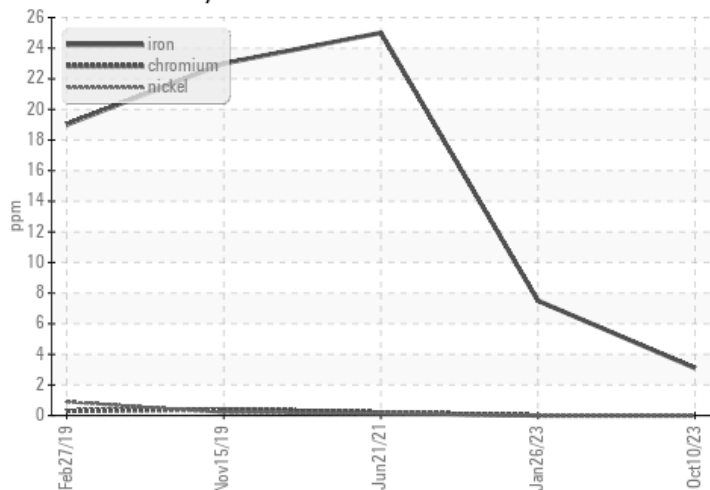
Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: LEC0033
Unique No: 10728442
Signed: Sean Felton
Report Date: 08 Nov 2023

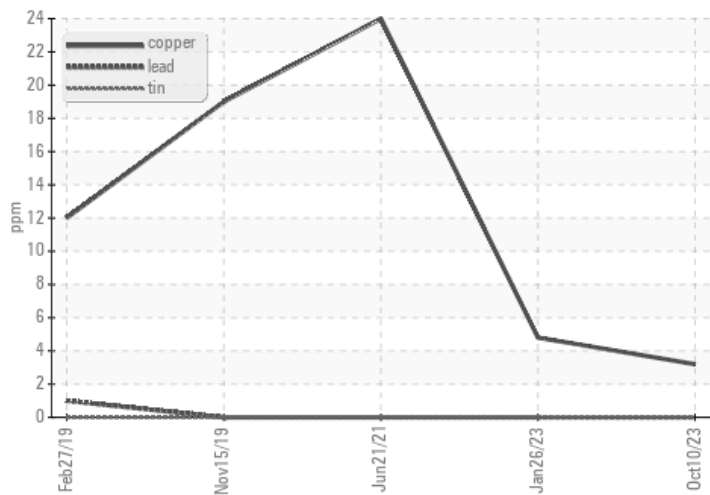


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

