

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L556 046708-1332 -Rear Differential

Sample No: LH0268188

Oil Type: GEAR OIL SAE 80W90



SAMPLE INFORMATION

Sample Number	LH0268188	LH0245010	LH0207739	LH0185326
Sample Date	09 Feb 2024	09 Feb 2023	23 Nov 2021	11 Jun 2021
Machine Hours	10214	9080	7922	7167
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	120	185	195	195
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CONTAMINATION

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



WEAR METALS

Iron	ppm	127	88	58	102
Copper	ppm	15	10	9	13
Lead	ppm	0	0	0	0
Tin	ppm	<1	<1	0	<1
Aluminum	ppm	2	0	1	1
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	17	12	8	17
Nickel	ppm	<1	0	0	0
Titanium	ppm	2	0	0	<1
Silver	ppm	0	0	0	0
Manganese	ppm	3	2	1	2
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	105	18	2	23
Magnesium	ppm	35	<1	0	12
Zinc	ppm	65	18	7	20
Phosphorus	ppm	1100	2166	2573	2291
Barium	ppm	13	1	0	0
Boron	ppm	13	0	4	40

Diagnosis

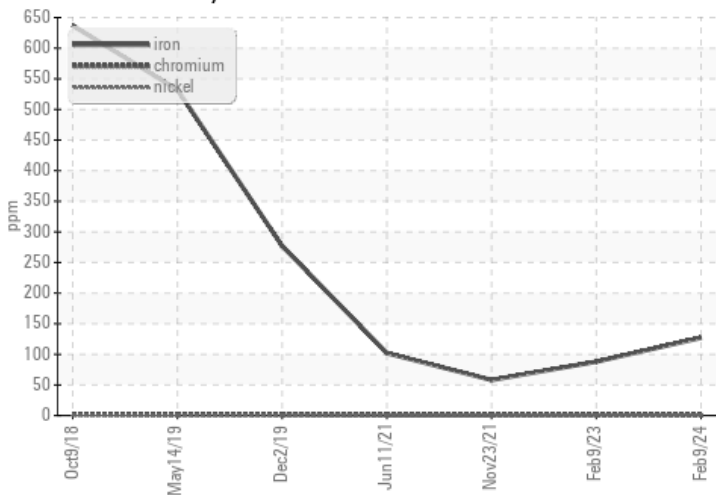
Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: LEC007
Unique No: 10876602
Signed: Wes Davis
Report Date: 15 Feb 2024

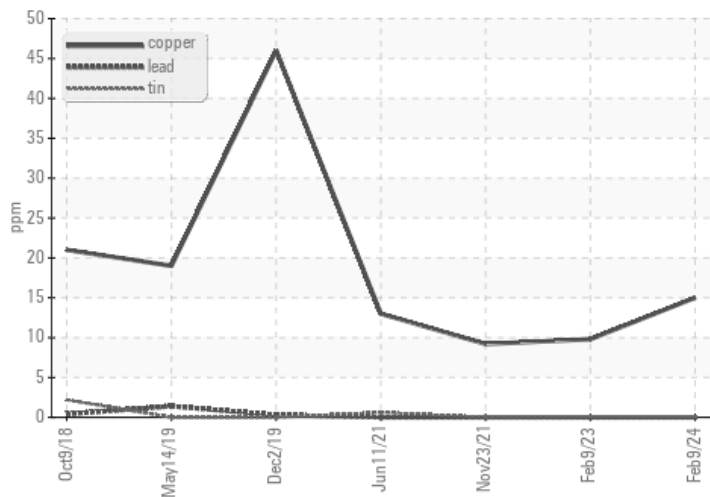


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

