

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR PR716 015579-1423 - Left Final Drive

Sample No: LH0243359

Oil Type: GEAR OIL SAE 80W90



SAMPLE INFORMATION

Sample Number	LH0243359	LH0207827	LH0173917	---
Sample Date	04 Sep 2023	19 Apr 2022	17 Aug 2020	---
Machine Hours	0	540	408	---
Oil Hours	0	0	408	---
Oil Changed	N/A	Changed	Changed	---
Sample Status	NORMAL	ABNORMAL	NORMAL	---

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OIL CONDITION

Visc @ 40°C	cSt	103	131	290	---
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CONTAMINATION

Silicon	ppm	9	76	6	---
Sodium	ppm	2	4	4	---
Potassium	ppm	4	32	2	---



WEAR METALS

Iron	ppm	41	169	118	---
Copper	ppm	17	23	70	---
Lead	ppm	0	0	3	---
Tin	ppm	0	<1	1	---
Aluminum	ppm	2	15	0	---
Chromium	ppm	0	2	2	---
Molybdenum	ppm	0	5	<1	---
Nickel	ppm	0	3	1	---
Titanium	ppm	<1	1	<1	---
Silver	ppm	0	0	<1	---
Manganese	ppm	<1	2	2	---
Vanadium	ppm	<1	<1	0	---



ADDITIVES

Calcium	ppm	18	189	36	---
Magnesium	ppm	0	28	<1	---
Zinc	ppm	0	75	14	---
Phosphorus	ppm	1396	1457	1076	---
Barium	ppm	0	5	166	---
Boron	ppm	258	327	7	---

Diagnosis

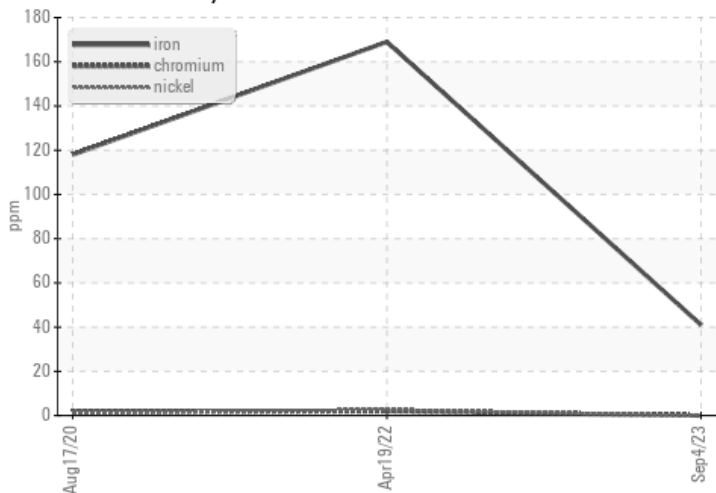
Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: LEC0008
 Unique No: 10633777
 Signed: Sean Felton
 Report Date: 08 Sep 2023

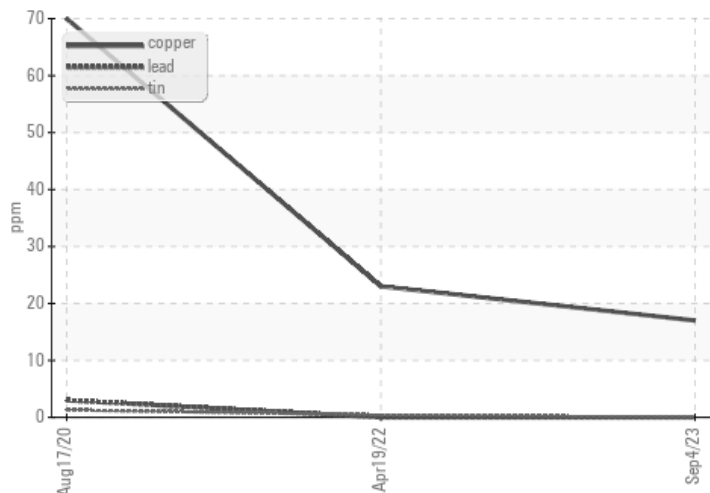


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

