

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR R944 042563-194 - Splitter Box

Sample No: LH0243874

Oil Type: LIEBHERR GEAR BASIC 90 LS



SAMPLE INFORMATION

Sample Number	LH0243874	LH0229404	LHMC93582	---
Sample Date	29 Feb 2024	03 Oct 2022	29 Dec 2015	---
Machine Hours	29512	28033	15560	---
Oil Hours	0	2000	1000	---
Oil Changed	Changed	N/A	Changed	---
Sample Status	ABNORMAL	ABNORMAL	NORMAL	---

LIEBHERR EQUIPMENT SOURCE

4100 CHESTNUT AVENUE
NEWPORT NEWS, VA
US 23607

Contact: LUKE APPLEBY
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T:
F: (757)298-8700



OIL CONDITION

Visc @ 40°C	cSt	200	200	227.4	---
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CONTAMINATION

Water	%	NEG	0.162	NEG	---
Silicon	ppm	13	18	4	---
Sodium	ppm	8	6	<1	---
Potassium	ppm	4	1	4	---



WEAR METALS

Iron	ppm	365	214	35	---
Copper	ppm	2	<1	3	---
Lead	ppm	0	0	<1	---
Tin	ppm	<1	0	0	---
Aluminum	ppm	4	11	<1	---
Chromium	ppm	2	2	<1	---
Molybdenum	ppm	0	<1	<1	---
Nickel	ppm	<1	0	0	---
Titanium	ppm	<1	<1	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	4	4	<1	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	7	0	44	---
Magnesium	ppm	4	5	3	---
Zinc	ppm	138	97	94	---
Phosphorus	ppm	2132	2017	568	---
Barium	ppm	0	0	0	---
Boron	ppm	20	14	29	---

Diagnosis

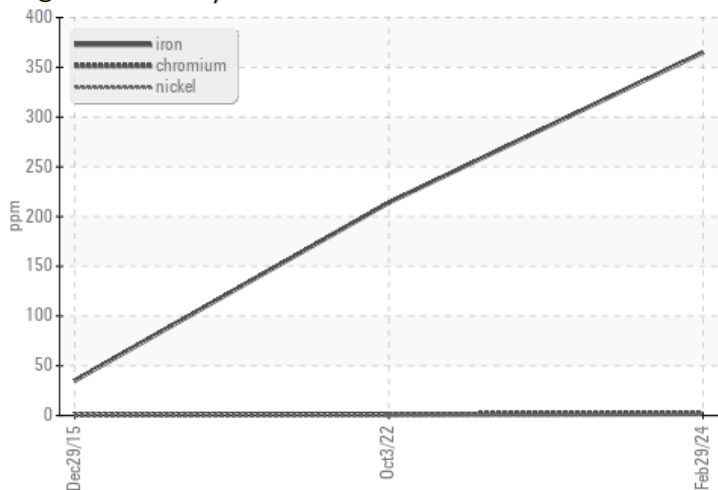
The oil change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. Gear wear is indicated. All other component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: LIEBHERRUS
Unique No: 10915852
Signed: Don Baldrige
Report Date: 11 Mar 2024

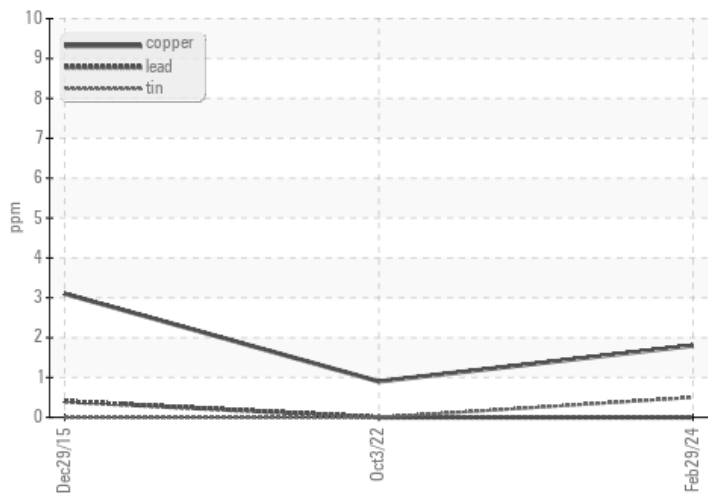


GRAPHS

● Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

