

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L586 047353-1334 - Rear Differential

Sample No: LH0258493

Oil Type: LIEBHERR GEAR BASIC 90 LS



SAMPLE INFORMATION

Sample Number	LH0258493	LH0229247	LHMC130833	---
Sample Date	13 Oct 2023	06 Sep 2022	10 Apr 2019	---
Machine Hours	6889	6063	2043	---
Oil Hours	826	1000	2043	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	NORMAL	ABNORMAL	---

JR VINAGRO
2208 PLAINFIELD PIKE
JOHNSTON, RI
US 02919
Contact: Service Manager



OIL CONDITION

Visc @ 40°C	cSt	186	175	195	---
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T:
F:



CONTAMINATION

Silicon	ppm	2	2	31	---
Sodium	ppm	4	2	10	---
Potassium	ppm	1	0	14	---

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	41	23	225	---
Copper	ppm	18	13	155	---
Lead	ppm	0	0	2	---
Tin	ppm	1	1	0	---
Aluminum	ppm	<1	1	3	---
Chromium	ppm	<1	<1	3	---
Molybdenum	ppm	0	0	0	---
Nickel	ppm	0	<1	2	---
Titanium	ppm	<1	0	0	---
Silver	ppm	0	<1	0	---
Manganese	ppm	2	2	48	---
Vanadium	ppm	0	0	0	---



ADDITIVES

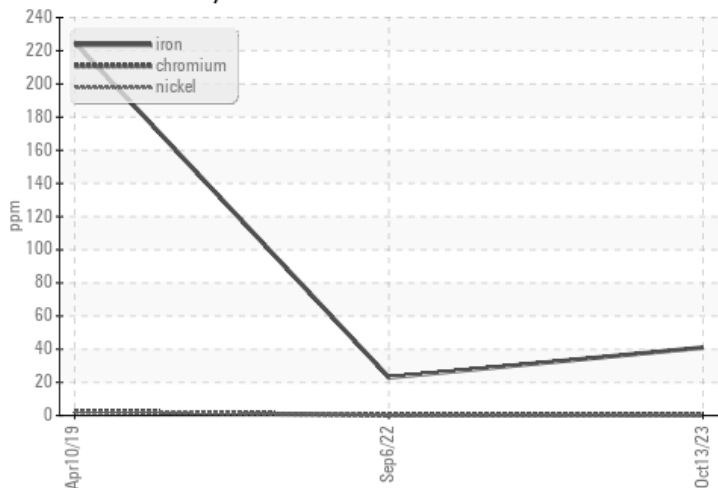
Calcium	ppm	55	51	14	---
Magnesium	ppm	<1	2	2	---
Zinc	ppm	34	27	94	---
Phosphorus	ppm	2065	2199	2170	---
Barium	ppm	<1	<1	0	---
Boron	ppm	<1	1	1	---

Depot: JRVJOH
Unique No: 10708536
Signed: Angela Borella
Report Date: 24 Oct 2023

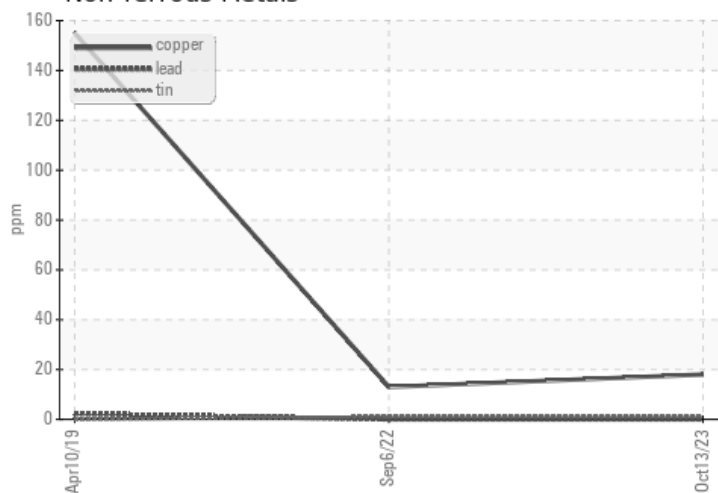


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

