

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR A934C 045480-1007 - Front Right Wheel Hub

Sample No: LH0263941

Oil Type: GEAR OIL SAE 80W90



SAMPLE INFORMATION

Sample Number	LH0263941	LHMC142226	LHMC106329	---
Sample Date	19 Dec 2023	03 May 2019	02 Jun 2017	---
Machine Hours	31068	22895	17931	---
Oil Hours	2000	500	500	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---

NORTHERN METAL RECYCLING

2800 PACIFIC ST N
MINNEAPOLIS, MN
US 55411

Contact: CHRIS GILMER
chris.gilmer@emrgroup.com
T: (612)305-7338
F:



OIL CONDITION

Visc @ 40°C	cSt	172	331	326.4	---
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CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	8	3	4	---
Sodium	ppm	5	2	2	---
Potassium	ppm	0	7	1	---



WEAR METALS

Iron	ppm	63	11	4	---
Copper	ppm	9	<1	<1	---
Lead	ppm	0	2	0	---
Tin	ppm	<1	0	0	---
Aluminum	ppm	1	<1	<1	---
Chromium	ppm	<1	0	<1	---
Molybdenum	ppm	1	2	<1	---
Nickel	ppm	0	0	0	---
Titanium	ppm	<1	0	<1	---
Silver	ppm	0	0	0	---
Manganese	ppm	<1	0	<1	---
Vanadium	ppm	<1	0	0	---



ADDITIVES

Calcium	ppm	94	53	44	---
Magnesium	ppm	15	6	2	---
Zinc	ppm	18	22	28	---
Phosphorus	ppm	1413	947	833	---
Barium	ppm	0	0	<1	---
Boron	ppm	147	156	138	---

Diagnosis

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) GEAR OIL SAE 80W90. Please confirm.

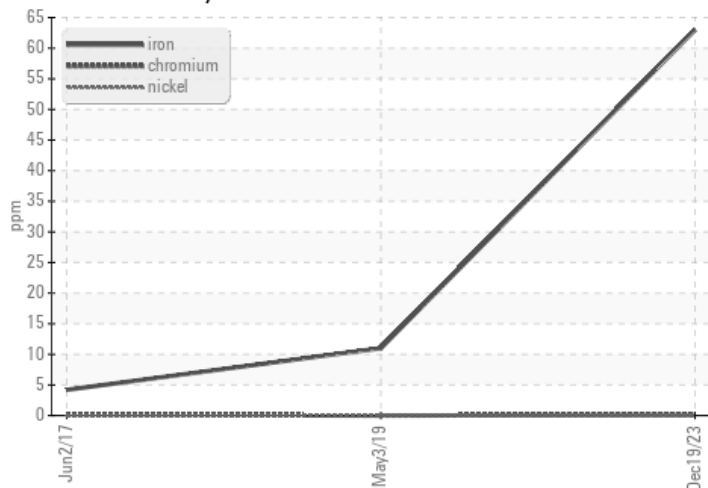
All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: NORMINLH
Unique No: 10844608
Signed: Wes Davis
Report Date: 23 Jan 2024

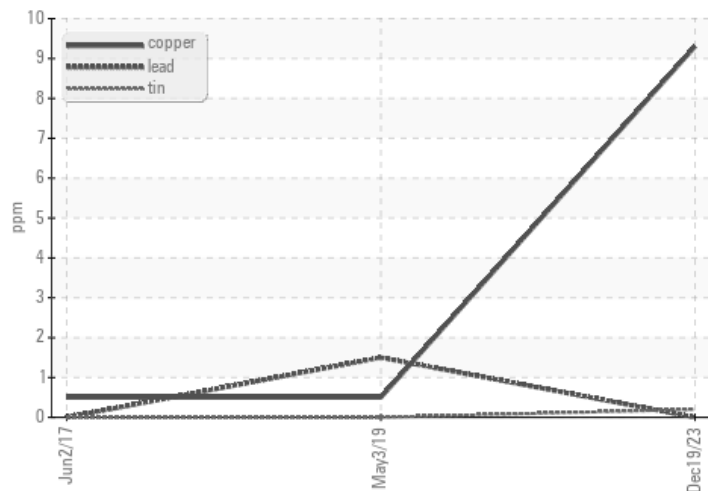


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

