

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR A934C 064064-1007 - Rear Right Wheel Hub

Sample No: LH0272767

Oil Type: GEAR OIL SAE 80W90



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SAMPLE INFORMATION

Sample Number	LH0272767	LH0254767	LH0243217	LH0217649
Sample Date	21 Dec 2023	23 Jun 2023	10 Jan 2023	05 Jul 2022
Machine Hours	25949	24973	24002	23011
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL



OIL CONDITION

Visc @ 40°C	cSt	121	140	148	138
		●	●	●	●



CONTAMINATION

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



WEAR METALS

Iron	ppm	● 18	● 22	● 28	● 33
Copper	ppm	● 4	● 3	● 3	● 4
Lead	ppm	● <1	● 0	● 0	● 0
Tin	ppm	● <1	● 0	● 0	● <1
Aluminum	ppm	● 2	● <1	● <1	● 1
Chromium	ppm	● <1	● <1	● 0	● <1
Molybdenum	ppm	● 1	● <1	● <1	● 1
Nickel	ppm	● <1	● 0	● 0	● 0
Titanium	ppm	1	<1	0	<1
Silver	ppm	0	0	0	<1
Manganese	ppm	● <1	● <1	● <1	● <1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	● 46	● 40	● 54	● 118
Magnesium	ppm	● 8	● 9	● 8	● 15
Zinc	ppm	● 9	● 36	<1	● 51
Phosphorus	ppm	● 750	● 1144	● 918	● 1103
Barium	ppm	● 0	● 2	● 0	● 0
Boron	ppm	● 3	● 8	● 10	● 25

Diagnosis

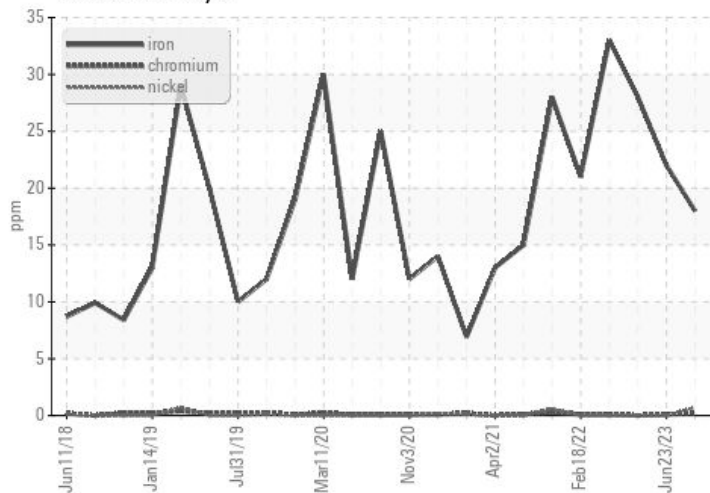
Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: LEC0008
 Unique No: 10821035
 Signed: Wes Davis
 Report Date: 10 Jan 2024

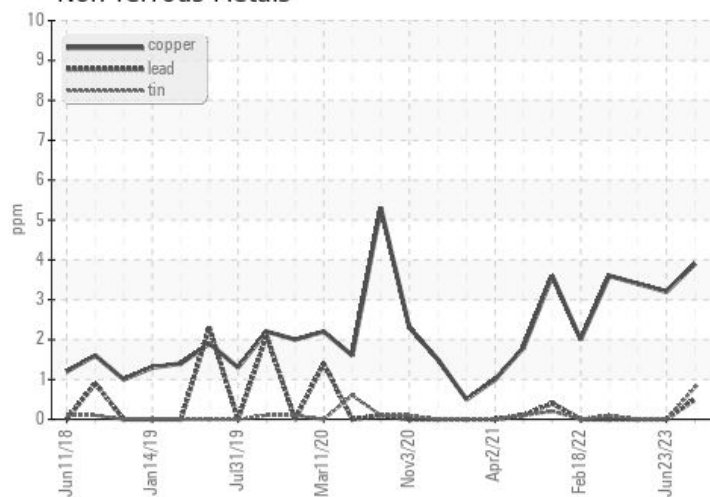


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

