

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50 1216-115017 - Rear Right Wheel Hub

Sample No: LH0263953

Oil Type: CHEVRON DELO GEAR ESI OIL 80W90



ALTER RECYCLING
 2175 BADGERLAND DR
 GREEN BAY, WI
 US 54303
 Contact: LORI GRAVES
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SAMPLE INFORMATION

Sample Number	LH0263953	LH0243330	LH0243374	LH0153424
Sample Date	30 Jan 2024	29 Sep 2023	03 Apr 2023	21 Sep 2022
Machine Hours	8879	8185	7172	6081
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL



OIL CONDITION

Visc @ 40°C	cSt	120	120	128	128
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	1	2	8	1
Sodium	ppm	0	2	2	<1
Potassium	ppm	1	2	3	2



WEAR METALS

Iron	ppm	9	34	81	11
Copper	ppm	1	2	2	3
Lead	ppm	<1	0	0	<1
Tin	ppm	1	0	0	0
Aluminum	ppm	3	0	0	0
Chromium	ppm	<1	<1	<1	0
Molybdenum	ppm	2	<1	<1	2
Nickel	ppm	1	0	<1	0
Titanium	ppm	<1	2	0	0
Silver	ppm	<1	0	0	0
Manganese	ppm	1	<1	1	<1
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	37	54	58	155
Magnesium	ppm	4	20	9	23
Zinc	ppm	19	39	34	74
Phosphorus	ppm	779	926	782	997
Barium	ppm	0	0	0	0
Boron	ppm	0	4	12	28

Diagnosis

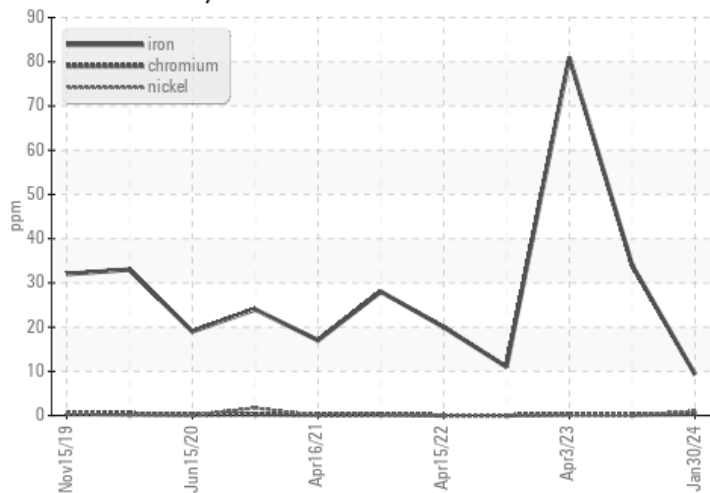
Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: ALTGRE
 Unique No: 10869548
 Signed: Angela Borella
 Report Date: 08 Feb 2024

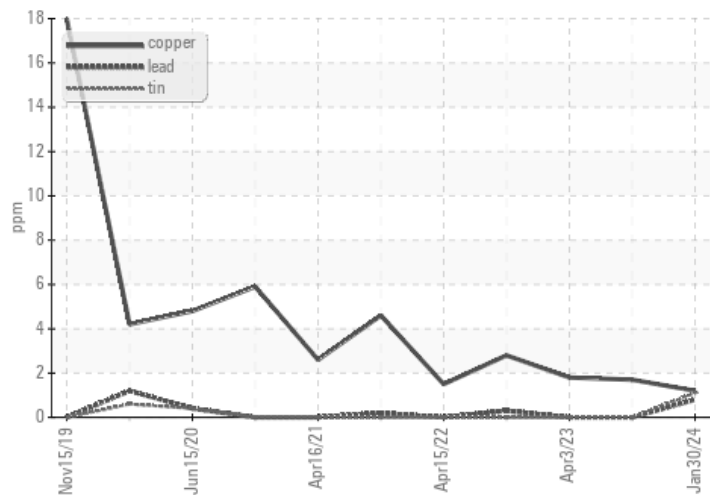


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

