

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH30M 121854-1253 - Rear Right Wheel Hub

Sample No: LH0272746

Oil Type: CHEVRON DELO GEAR ESI OIL 80W90



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SAMPLE INFORMATION

Sample Number	LH0272746	LH0264396	LH0220808	LH0220627
Sample Date	02 Jan 2024	04 Aug 2023	05 Dec 2022	03 Aug 2022
Machine Hours	6976	6000	3974	3014
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL



OIL CONDITION

Visc @ 40°C	cSt	122	133	140	122
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CONTAMINATION

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



WEAR METALS

Iron	ppm	20	33	25	10
Copper	ppm	1	1	<1	1
Lead	ppm	<1	0	0	<1
Tin	ppm	<1	0	0	<1
Aluminum	ppm	2	<1	<1	2
Chromium	ppm	<1	<1	<1	0
Molybdenum	ppm	1	<1	<1	2
Nickel	ppm	<1	<1	0	0
Titanium	ppm	<1	0	0	0
Silver	ppm	0	<1	0	0
Manganese	ppm	1	1	1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	39	43	64	143
Magnesium	ppm	3	6	9	18
Zinc	ppm	10	22	15	62
Phosphorus	ppm	778	803	675	780
Barium	ppm	0	0	0	0
Boron	ppm	2	6	11	21

Diagnosis

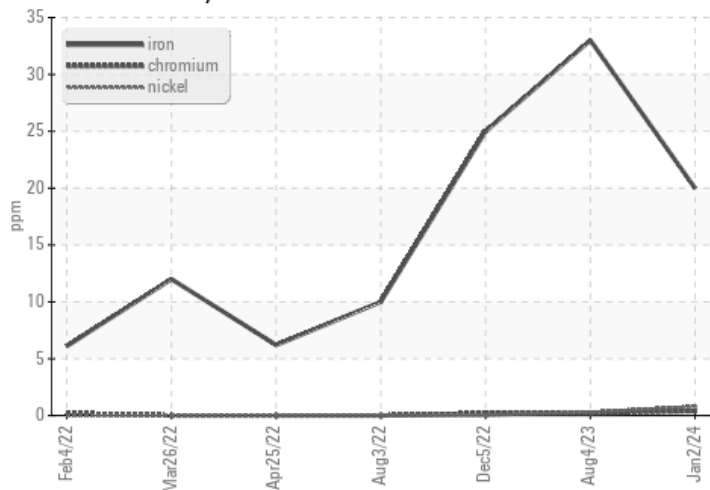
Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: LEC0008
 Unique No: 10821029
 Signed: Sean Felton
 Report Date: 10 Jan 2024

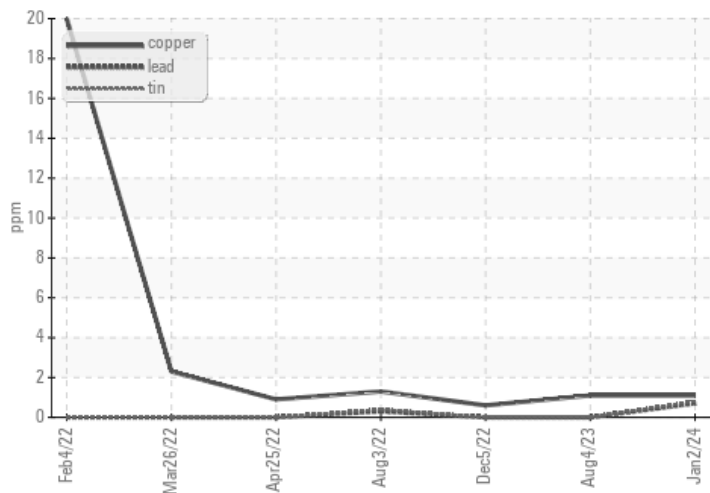


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

