

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH30M 121854-1253 - Rear Left Wheel Hub

Sample No: LH0267096

Oil Type: CHEVRON DELO GEAR ESI OIL 80W90



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Sample Information

Sample Number	LH0267096	LH0272742	LH0264392	LH0220807
Sample Date	17 May 2024	02 Jan 2024	04 Aug 2023	05 Dec 2022
Machine Hours	8113	6976	6007	3974
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL



Oil Condition

Visc @ 40°C	cSt	115	125	133	140
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Contamination

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



Wear Metals

Iron	ppm	15	15	35	25
Copper	ppm	2	<1	1	<1
Lead	ppm	0	<1	0	0
Tin	ppm	<1	<1	0	<1
Aluminum	ppm	<1	2	0	1
Chromium	ppm	0	<1	<1	<1
Molybdenum	ppm	0	1	<1	<1
Nickel	ppm	<1	<1	0	0
Titanium	ppm	<1	<1	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	1	1
Vanadium	ppm	0	0	0	0



Additives

Calcium	ppm	48	40	42	61
Magnesium	ppm	3	3	5	9
Zinc	ppm	30	10	19	15
Phosphorus	ppm	932	789	822	669
Barium	ppm	0	0	1	0
Boron	ppm	<1	1	5	11

Diagnosis

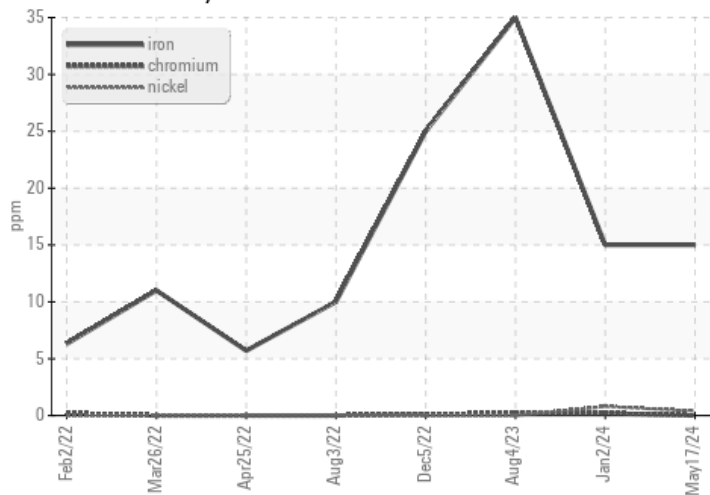
Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: LEC0008
Unique No: 11049893
Signed: Sean Felton
Report Date: 30 May 2024

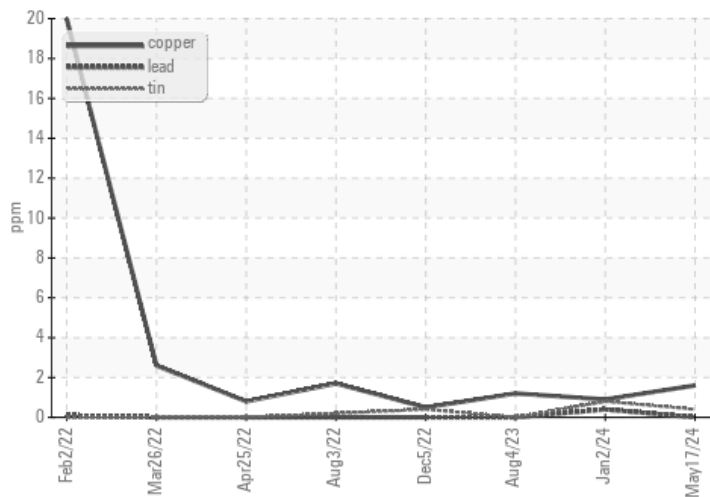


Graphs

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

