

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH30M 121854-1253 - Rear Right Wheel Hub

Sample No: LH0267095

Oil Type: CHEVRON DELO GEAR ESI OIL 80W90



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Sample Information

Sample Number	LH0267095	LH0272746	LH0264396	LH0220808
Sample Date	17 May 2024	02 Jan 2024	04 Aug 2023	05 Dec 2022
Machine Hours	8113	6976	6000	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	122	122	133	140
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Contamination

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



Wear Metals

Iron	ppm	12	20	33	25
Copper	ppm	<1	1	1	<1
Lead	ppm	0	<1	0	0
Tin	ppm	<1	<1	0	0
Aluminum	ppm	<1	2	<1	<1
Chromium	ppm	0	<1	<1	<1
Molybdenum	ppm	0	1	<1	<1
Nickel	ppm	<1	<1	<1	0
Titanium	ppm	<1	<1	0	0
Silver	ppm	0	0	<1	0
Manganese	ppm	<1	1	1	1
Vanadium	ppm	0	0	0	0



Additives

Calcium	ppm	48	39	43	64
Magnesium	ppm	3	3	6	9
Zinc	ppm	30	10	22	15
Phosphorus	ppm	926	778	803	675
Barium	ppm	0	0	0	0
Boron	ppm	0	2	6	11

Diagnosis

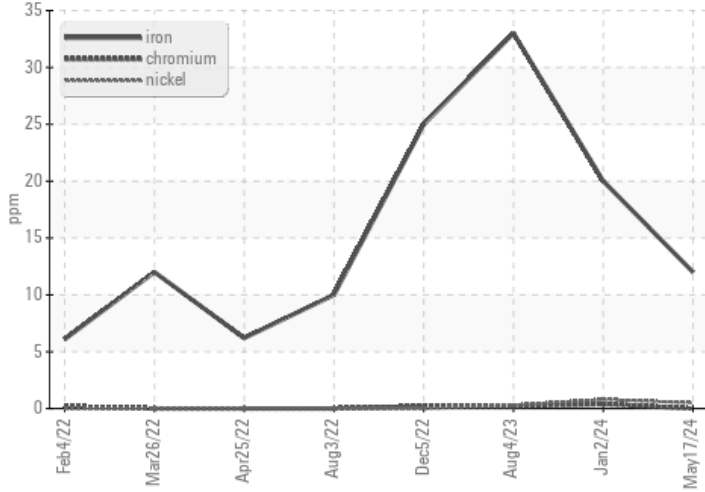
Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: LEC0008
 Unique No: 11049894
 Signed: Sean Felton
 Report Date: 30 May 2024

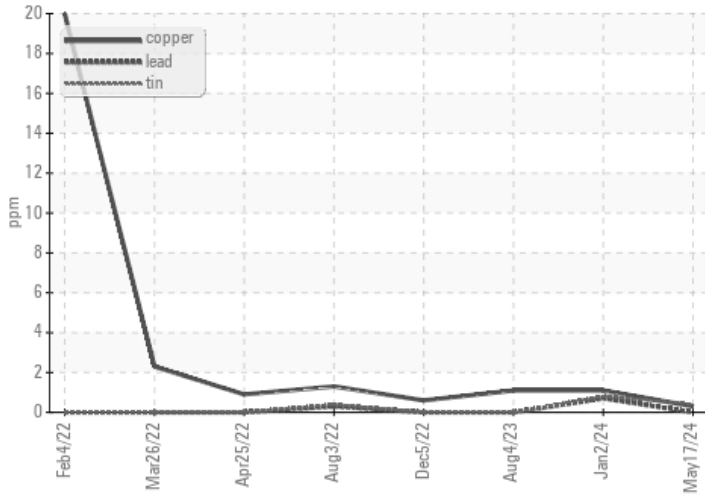


Graphs

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

