

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH30M 121854-1253 - Front Left Wheel Hub

Sample No: LH0264395

Oil Type: CHEVRON DELO GEAR ESI OIL 80W90



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SAMPLE INFORMATION

Sample Number	LH0264395	LH0220806	LH0220626	LH0217774
Sample Date	04 Aug 2023	05 Dec 2022	03 Aug 2022	25 Apr 2022
Machine Hours	6007	3974	3014	1795
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL



OIL CONDITION

Visc @ 40°C	cSt	132	138	120	123
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CONTAMINATION

Silicon	ppm	3	1	<1	3
Sodium	ppm	8	3	4	<1
Potassium	ppm	4	<1	0	0



WEAR METALS

Iron	ppm	104	70	28	19
Copper	ppm	5	2	4	2
Lead	ppm	0	0	<1	0
Tin	ppm	0	0	<1	<1
Aluminum	ppm	1	2	<1	0
Chromium	ppm	<1	<1	<1	0
Molybdenum	ppm	<1	<1	1	1
Nickel	ppm	0	0	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	<1	0
Manganese	ppm	1	<1	<1	0
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	66	54	80	301
Magnesium	ppm	10	8	13	0
Zinc	ppm	7	10	23	72
Phosphorus	ppm	1047	631	637	730
Barium	ppm	0	0	0	0
Boron	ppm	8	9	8	18

Diagnosis

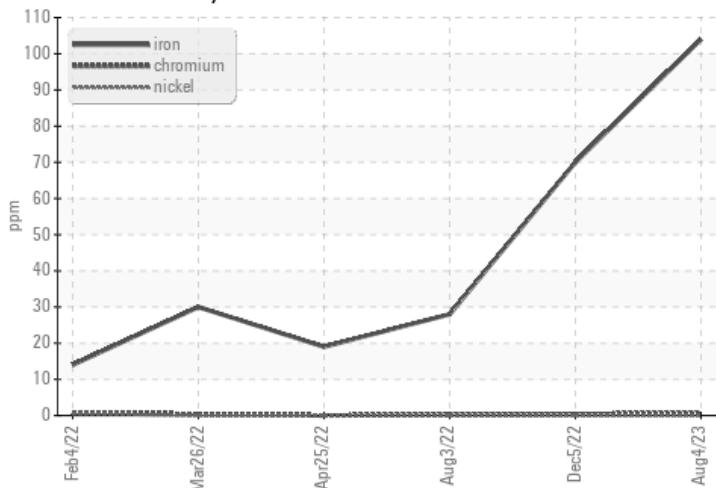
Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: LEC0008
 Unique No: 10604515
 Signed: Sean Felton
 Report Date: 16 Aug 2023

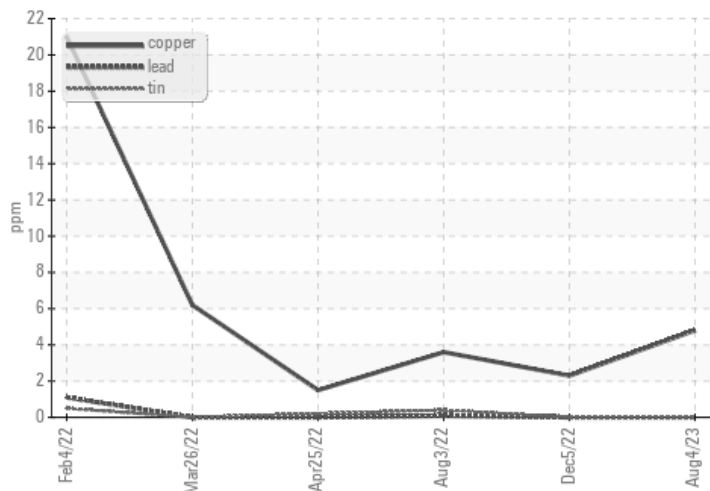


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

