

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH30M 121854-1253 -Rear Left Wheel Hub

Sample No: LH0264392

Oil Type: CHEVRON DELO GEAR ESI OIL 80W90



SAMPLE INFORMATION

Sample Number	LH0264392	LH0220807	LH0220623	LH0217773
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

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OIL CONDITION

Visc @ 40°C	cSt	133	140	124	125
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CONTAMINATION

Silicon	ppm	2	1	<1	<1
Sodium	ppm	<1	2	4	2
Potassium	ppm	2	2	0	<1



WEAR METALS

Iron	ppm	35	25	10	6
Copper	ppm	1	<1	2	<1
Lead	ppm	0	0	0	0
Tin	ppm	0	<1	<1	0
Aluminum	ppm	0	1	<1	<1
Chromium	ppm	<1	<1	0	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	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	42	61	148	208
Magnesium	ppm	5	9	16	11
Zinc	ppm	19	15	59	107
Phosphorus	ppm	822	669	774	890
Barium	ppm	1	0	0	0
Boron	ppm	5	11	22	26

Diagnosis

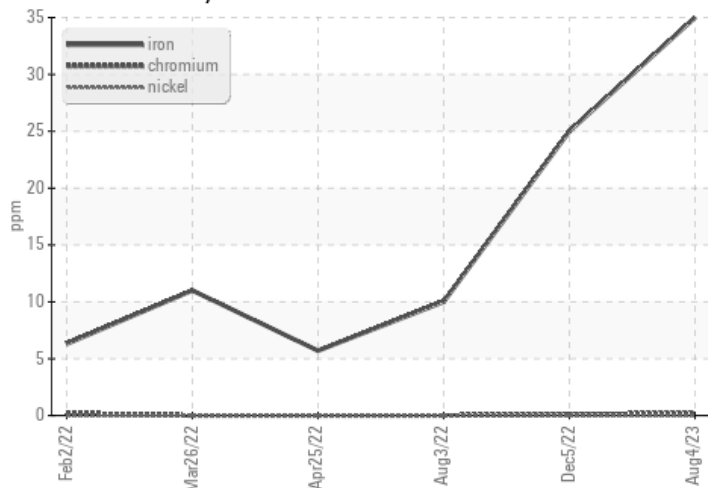
Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: LEC0008
 Unique No: 10605588
 Signed: Jonathan Hester
 Report Date: 17 Aug 2023

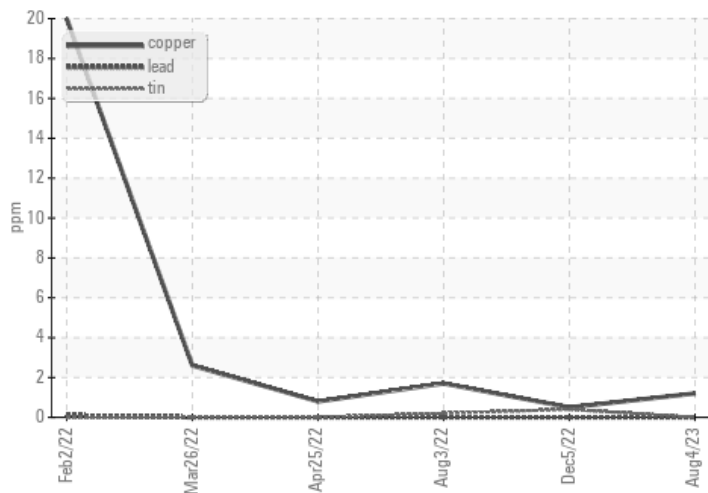


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

