

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50 142548-1216 - Splitter Box

Sample No: LH0258838

Oil Type: GEAR OIL SAE 80W90



SAMPLE INFORMATION

Sample Number	LH0258838	LH0272576	LH0263868	LH0254795
Sample Date	15 Feb 2024	30 Oct 2023	20 Jul 2023	14 Apr 2023
Machine Hours	2537	1993	1493	1008
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	117	121	126	146
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CONTAMINATION

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

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.



WEAR METALS

Iron	ppm	4	3	4	29
Copper	ppm	0	0	<1	<1
Lead	ppm	0	0	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	0	0	0	0
Chromium	ppm	0	0	0	<1
Molybdenum	ppm	0	0	<1	<1
Nickel	ppm	0	0	0	0
Titanium	ppm	<1	<1	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm	0	0	<1	1
Vanadium	ppm	0	0	0	<1



ADDITIVES

Calcium	ppm	55	63	53	22
Magnesium	ppm	<1	4	9	5
Zinc	ppm	18	41	29	23
Phosphorus	ppm	700	731	862	1070
Barium	ppm	0	0	0	0
Boron	ppm	0	2	<1	<1

Depot: LEC0008

Unique No: 10896920

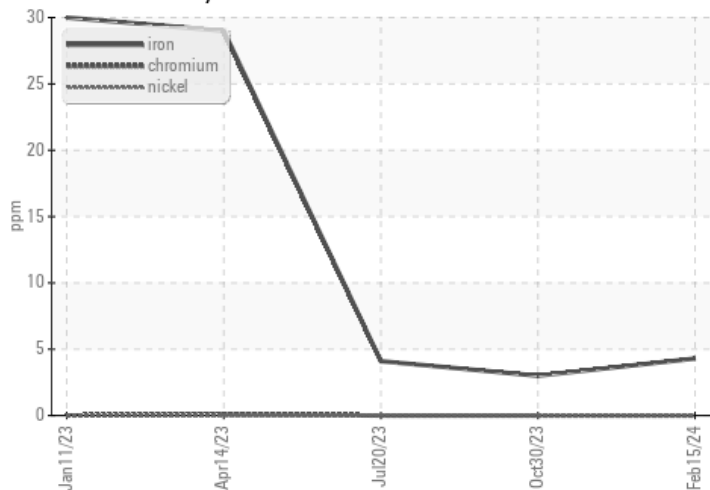
Signed: Sean Felton

Report Date: 26 Feb 2024

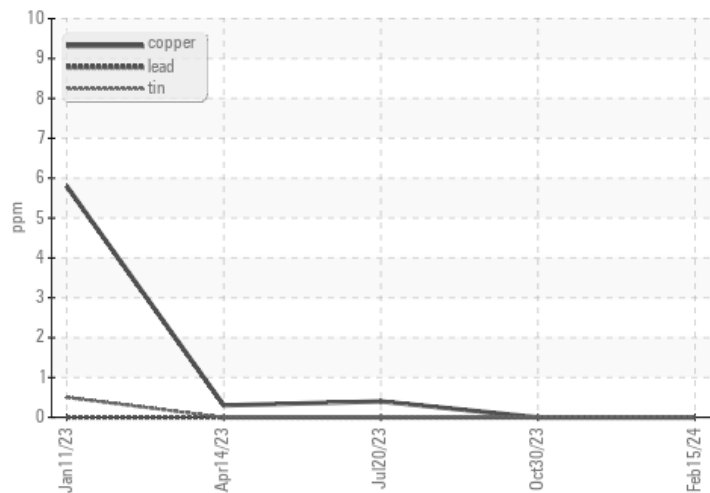


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

