

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50 142548-1216 - Splitter Box

Sample No: LH0272576

Oil Type: GEAR OIL SAE 80W90



SAMPLE INFORMATION

Sample Number	LH0272576	LH0263868	LH0254795	LH0243154
Sample Date	30 Oct 2023	20 Jul 2023	14 Apr 2023	11 Jan 2023
Machine Hours	1993	1493	1008	473
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	121	126	146	189
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CONTAMINATION

Silicon	ppm	<1	0	0	<1
Sodium	ppm	2	1	2	3
Potassium	ppm	0	0	0	0



WEAR METALS

Iron	ppm	3	4	29	30
Copper	ppm	0	<1	<1	6
Lead	ppm	0	0	0	0
Tin	ppm	0	0	0	<1
Aluminum	ppm	0	0	0	<1
Chromium	ppm	0	0	<1	0
Molybdenum	ppm	0	<1	<1	0
Nickel	ppm	0	0	0	0
Titanium	ppm	<1	<1	<1	0
Silver	ppm	0	0	0	0
Manganese	ppm	0	<1	1	1
Vanadium	ppm	0	0	<1	0



ADDITIVES

Calcium	ppm	63	53	22	19
Magnesium	ppm	4	9	5	4
Zinc	ppm	41	29	23	0
Phosphorus	ppm	731	862	1070	1131
Barium	ppm	0	0	0	0
Boron	ppm	2	<1	<1	0

Diagnosis

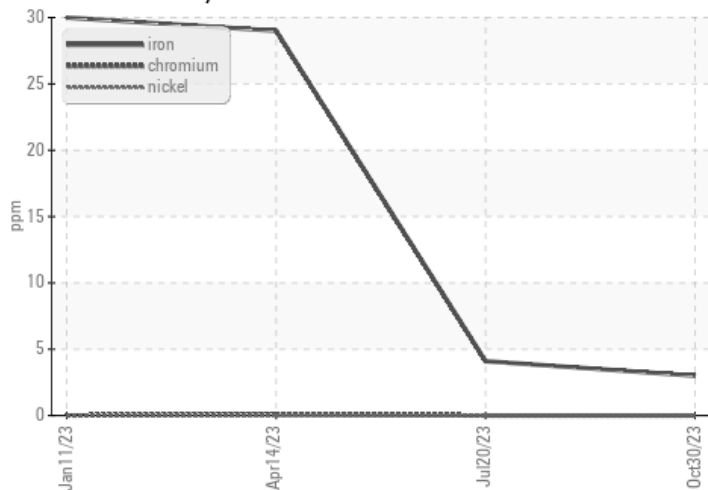
Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: LEC0008
 Unique No: 10728446
 Signed: Sean Felton
 Report Date: 08 Nov 2023

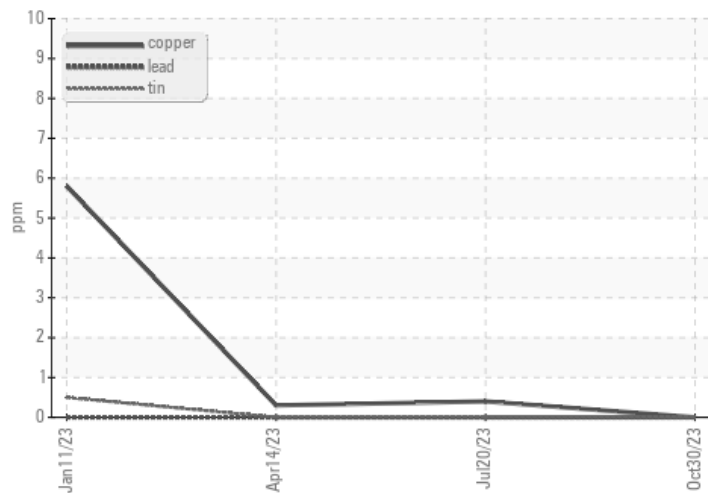


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

