

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH40M 124711-1215 - Splitter Box

Sample No: LH0253931

Oil Type: HARTLAND 80W90 LS



**AMERICAN STATE EQUIPMENT CO.**  
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#### SAMPLE INFORMATION

Sample Number	LH0253931	LH0253915	LH0236475	LH0236462
Sample Date	26 Sep 2023	12 Jul 2023	21 Apr 2023	09 Nov 2022
Machine Hours	4000	3502	3125	2024
Oil Hours	0	500	500	500
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL



#### OIL CONDITION

Visc @ 40°C	cSt	124	130	135	176
		●	●	●	●



#### CONTAMINATION

Element	ppm	<1	0	<1	0
Silicon	ppm	●	●	●	●
Sodium	ppm	●	●	●	●
Potassium	ppm	●	●	●	●



#### WEAR METALS

Element	ppm	23	21	21	29
Iron	ppm	●	●	●	●
Copper	ppm	●	●	●	●
Lead	ppm	●	●	<1	<1
Tin	ppm	●	●	<1	●
Aluminum	ppm	●	<1	●	<1
Chromium	ppm	●	●	●	●
Molybdenum	ppm	0	●	●	<1
Nickel	ppm	<1	●	<1	●
Titanium	ppm	<1	0	<1	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	●
Vanadium	ppm	0	0	0	0



#### ADDITIVES

Element	ppm	164	145	131	96
Calcium	ppm	●	●	●	●
Magnesium	ppm	●	●	●	●
Zinc	ppm	●	●	●	●
Phosphorus	ppm	●	●	●	1424
Barium	ppm	0	●	●	●
Boron	ppm	2	●	●	<1

#### Diagnosis

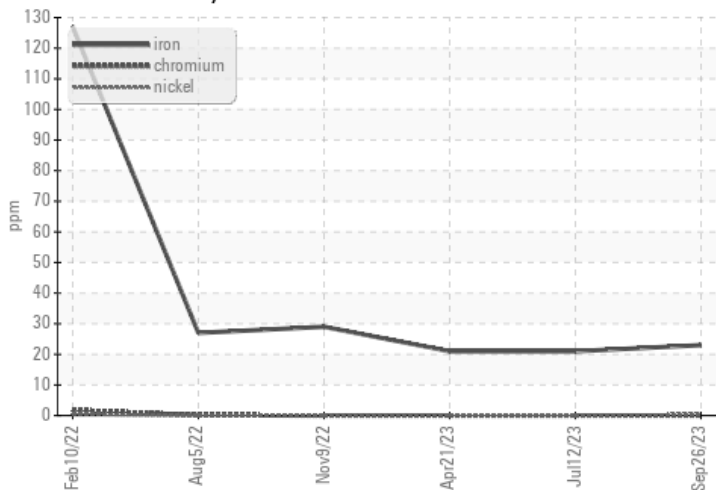
Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: LEC0008  
 Unique No: 10736226  
 Signed: Sean Felton  
 Report Date: 10 Nov 2023

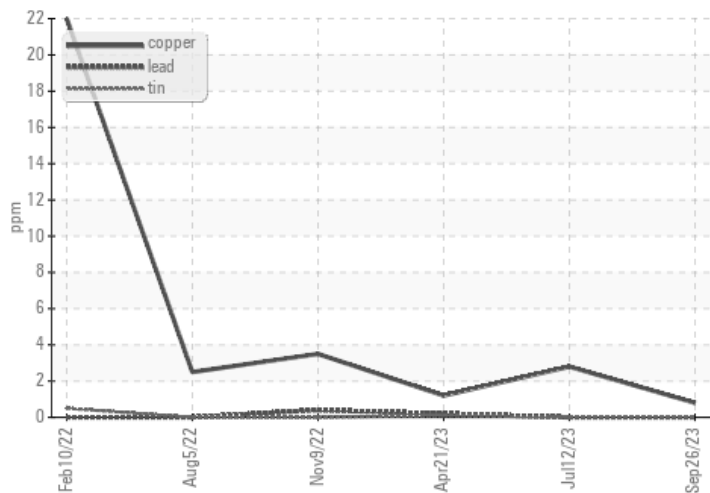


### GRAPHS

#### Ferrous Alloys



#### Non-ferrous Metals



#### Viscosity @ 40°C

