

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH30 097842-1253 - Splitter Box

Sample No: LH0244714

Oil Type: GEAR OIL SAE 80W90



**MIDWEST METALS CORP**  
 40 WINDHURST WAY  
 SHELBYVILLE, KY  
 US 40065  
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#### SAMPLE INFORMATION

Sample Number	LH0244714	LHMC158394	LHMC146513	---
Sample Date	15 Mar 2024	22 Jan 2020	27 Feb 2019	---
Machine Hours	13061	4209	2442	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---



#### OIL CONDITION

Visc @ 40°C	cSt	102	111	189.2	---
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#### CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	<1	2	2	---
Sodium	ppm	<1	2	7	---
Potassium	ppm	0	6	6	---



#### WEAR METALS

Iron	ppm	12	21	26	---
Copper	ppm	<1	<1	2	---
Lead	ppm	0	0	1	---
Tin	ppm	0	0	0	---
Aluminum	ppm	0	<1	0	---
Chromium	ppm	0	<1	<1	---
Molybdenum	ppm	1	1	0	---
Nickel	ppm	0	0	<1	---
Titanium	ppm	0	0	0	---
Silver	ppm	0	0	<1	---
Manganese	ppm	0	<1	3	---
Vanadium	ppm	0	0	0	---



#### ADDITIVES

Calcium	ppm	105	64	46	---
Magnesium	ppm	3	5	<1	---
Zinc	ppm	44	38	25	---
Phosphorus	ppm	291	1072	1315	---
Barium	ppm	0	<1	2	---
Boron	ppm	1	95	3	---

#### Diagnosis

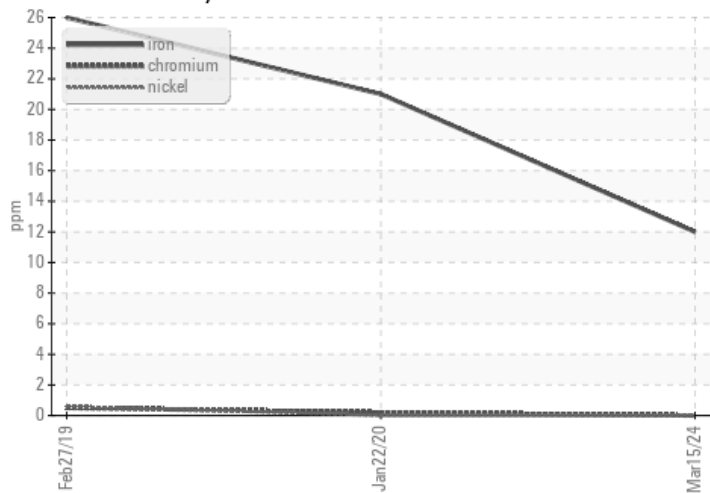
Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. Confirm oil type. The condition of the oil is acceptable for the time in service.

Depot: MIDSHELH  
 Unique No: 10949548  
 Signed: Don Baldrige  
 Report Date: 29 Mar 2024

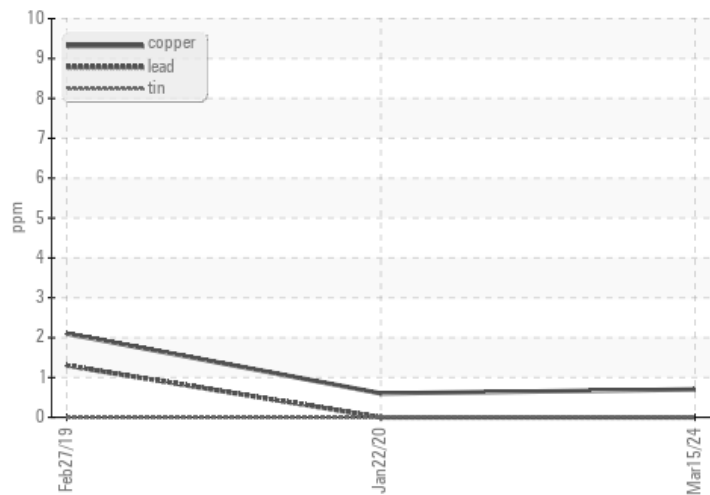


### GRAPHS

#### Ferrous Alloys



#### Non-ferrous Metals



#### Viscosity @ 40°C

