

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH30M 121854-1253 - Pump Drive

Sample No: LH0264399

Oil Type: CHEVRON DELO GEAR ESI OIL 80W90



#### SAMPLE INFORMATION

Sample Number	LH0264399	LH0254776	LH0236095	LH0229309
Sample Date	04 Aug 2023	02 Jun 2023	07 Oct 2022	14 Jun 2022
Machine Hours	6007	5547	3575	2422
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

**AMERICAN STATE EQUIPMENT CO.**  
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 WAUSAU, WI  
 US 54401  
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#### OIL CONDITION

Visc @ 40°C	cSt	118	121	131	127
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#### CONTAMINATION

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



#### WEAR METALS

Iron	ppm	13	12	10	11
Copper	ppm	2	<1	<1	<1
Lead	ppm	0	0	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	0	0	1	<1
Chromium	ppm	0	0	0	0
Molybdenum	ppm	0	<1	<1	1
Nickel	ppm	0	0	0	0
Titanium	ppm	<1	<1	<1	0
Silver	ppm	0	0	0	2
Manganese	ppm	<1	<1	2	<1
Vanadium	ppm	<1	0	<1	0



#### ADDITIVES

Calcium	ppm	72	87	72	140
Magnesium	ppm	9	7	8	9
Zinc	ppm	33	57	43	84
Phosphorus	ppm	786	817	699	886
Barium	ppm	0	0	0	0
Boron	ppm	2	5	4	22

#### Diagnosis

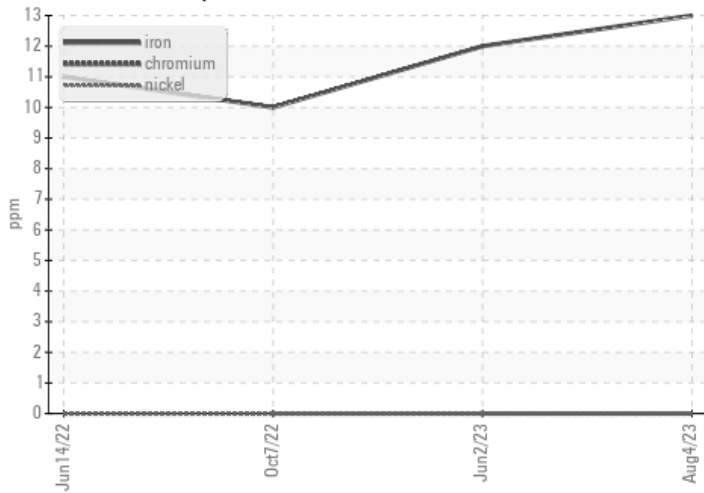
Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is suitable for further service.

Depot: LEC0008  
 Unique No: 10615834  
 Signed: Sean Felton  
 Report Date: 23 Aug 2023

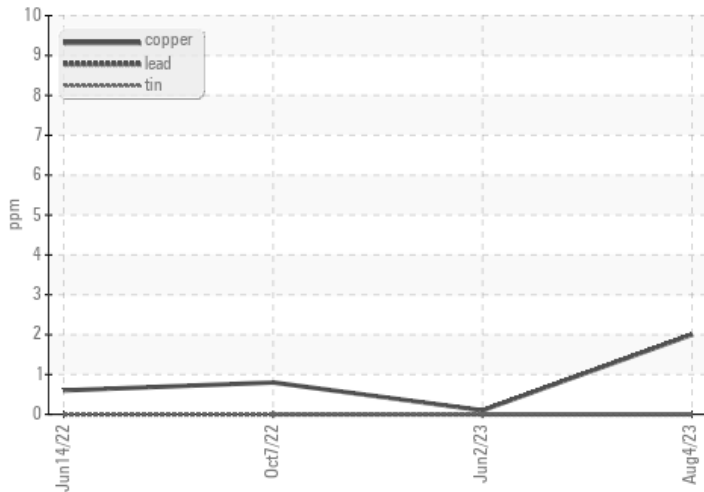


### GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

