# LIEBHERR

## **CONSTRUCTION EQUIPMENT**



Sample No: LH0264766

Calcium

Zinc

Barium

Boron

Magnesium

Phosphorus

Oil Type: GEAR OIL SAE 80W90

ample Number		LH0264766	LH0272488	LH0254791	LH0243161
ample Date		20 May 2024	30 Oct 2023	14 Apr 2023	11 Jan 2023
Machine Hours		3013	1993	1008	473
Dil Hours		0	0	0	0
Oil Changed		Changed	Changed	Changed	Changed
Sample Status		NORMAL	NORMAL	NORMAL	NORMAL
Oil Co	ondition	ı			
/isc @ 40°C	cSt	O 117	O 122	O 132	O 154
-4					O
Cont	aminati	on			
Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>1</b>	O <1	<b>3</b>	O 10
Sodium	ppm	<b>2</b>	O 2	O 2	O 3
Potassium	ppm	<b>0</b>	0	O 0	0
	r Metals				
ron	ppm	O 21	O 23	O 25	O 33
Copper	ppm	<b>4</b>	<b>6</b>	0 4	0 8
Lead 	ppm	<b>0</b> 0	0	0 0	0
Γin •••••	ppm	0 0	0 0	0	0
Aluminum	ppm	0	0	0	0 <1
Chromium	ppm	<b>O</b> <1	0	0 0	O <1
Molybdenum	ppm	<b>2</b>	0 0	0 1	0 2
Nickel	ppm	<b>0</b>	0	0	0
Titanium	ppm	<1	1	<1	<1
Silver	ppm	0	0	0	0
Manganese 	ppm	<b>0</b> <1	O <1	02	O 1
Vanadium	ppm	0	0	<1	0

33

**10** 

O 26

O 624

0

 $\bigcirc$  3

**105** 

**16** 

**64** 

0 874

 $\bigcirc$  0

172

02

31

0

1280



### AMERICAN STATE EQUIPMENT CO.

2400 NORTH 14TH AVENUE WAUSAU, WI US 54401 Contact: CHRIS BARTNIK

cbartnik@amstate.com T: (715)675-6900 F: (715)675-9748

#### Diagnosis

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) GEAR OIL SAE 80W90. Please confirm.

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: 11048111
Signed: Wes Davis
Report Date: 28 May 2024

Contact/Location: CHRIS BARTNIK - LEC0008

**44** 

**3** 

**24** 

906

0

mqq

ppm

ppm

ppm

ppm

ppm

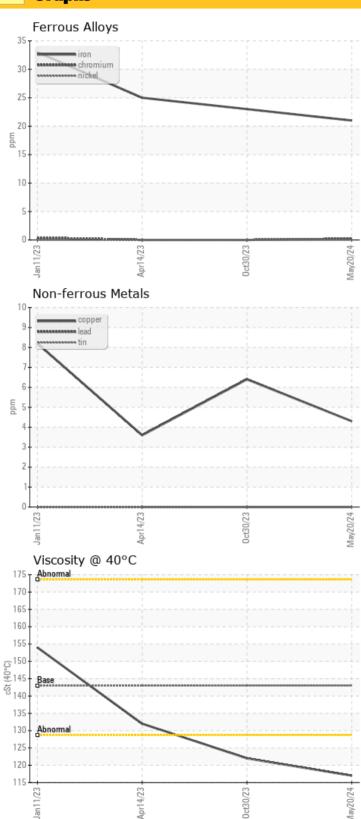
# LIEBHERR

**CONSTRUCTION EQUIPMENT** 





### **Graphs**



Report Id: LEC0008 [WUSCAR] 06191359 (Generated: 05/28/2024 16:12:08) Rev: 1