**CONSTRUCTION EQUIPMENT** 



Sample No: LH0263961

Oil Type: GEAR OIL LS 80W90

_					
U SAM	PLE INFOR	MATION			
			1110000705		
Sample Number		LH0263961	LH0220795		
Sample Date		25 Oct 2023	18 Jan 2023		
Machine Hours		1045	464		
Oil Hours		0	0		
Oil Changed		Changed	Changed		
Sample Status		NORMAL	NORMAL		
OIL C	<b>ONDITION</b>				
Visc @ 40°C	cSt	<b>137</b>	O 183		
-1					
CONTAMINATION					
CON	IAMINAII	ON			
Silicon	ppm	<b>3</b>	O 9		
Sodium	ppm	<b>4</b>	<b>4</b>		
Potassium	ppm	<b>0</b>	O 1		
WEAR METALS					
Iron	ppm	<b>35</b>	O 44		
Copper		○ <1	0 <1		
Lead	ppm	00	00		
Tin	ppm	<1	<1		
Aluminum	ppm	O <1	0 <1		
Chromium	ppm	○ <1	0 < 1		
	ppm		J		
Molybdenum	ppm	0 <1	0 <1		
Nickel	ppm	O <1	0 0		
Titanium	ppm	<1	<1		
Silver	ppm	0	0		
Manganese	ppm	01	0 2		
Vanadium	ppm	0	0		
ADD					
ADD	ITIVES				
Calcium	ppm	<b>33</b>	<b>5</b> 0		
Magnesium	ppm	<b>6</b>	O <1		
Zinc	ppm	<b>54</b>	<b>5</b> 3		
Phosphorus	ppm	<b>1123</b>	O 2139		
Barium	ppm	<b>20</b>	<b>O</b> 4		



### AMERICAN STATE EQUIPMENT CO.

2400 NORTH 14TH AVENUE WAUSAU, WI US 54401 Contact: CHRIS BARTNIK cbartnik@amstate.com T: (715)675-6900

## Diagnosis

F: (715)675-9748

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:** 10722240 Signed: Sean Felton Report Date: 01 Nov 2023

ppm

Boron

# CONSTRUCTION EQUIPMENT





# **GRAPHS**

