



LIEBHERR 708999 (S/N 112358-1216) - Swing Drive

Sample No: LH0257854

Oil Type: SAE 80W90

0

Calcium

Zinc

Barium

Boron

Magnesium

Phosphorus

ADDITIVES

ppm

ppm

ppm

ppm

ppm

ppm

SAMPLE INFORMATION

Sample Number	LH0257854	LH0245156				
Sample Date	13 Nov 2023	20 Dec 2022				
Machine Hours	0	2000				
Oil Hours	0	0				
Oil Changed	Changed	Changed				
Sample Status	SEVERE	SEVERE				
Visc @ 40°C cSt	143	145				

Water	%	0 1.23	0 1.79		
Silicon	ppm	0 5	02		
Sodium	ppm	02	3		
Potassium	maa	0 2	$\bigcirc 0$		

A				
WE/	AR META	LS		
Iron	ppm	1455	0 515	
Copper	ppm	0 126	0 55	
Lead	ppm	0 2	0 <1	
Tin	ppm	0 2	0 2	
Aluminum	ppm	<1	0 1	
Chromium	ppm	0 13	05	
Molybdenum	ppm	02	<1	
Nickel	ppm	01	03	
Titanium	ppm	<1	0	
Silver	ppm	0	0	
Manganese	ppm	0 12	4	
Vanadium	ppm	<1	<1	

56 3

34

963

5

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

We advise that you check for the source of water entry. The oil change at the time of sampling has been noted. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.Gear wear is indicated. There is a high concentration of water present in the oil. The oil is no longer serviceable due to the presence of contaminants.

Depot:	LEC0008
Unique No:	10752666
Signed:	Sean Felton
Report Date:	22 Nov 2023

23

05

0 37

◯ <1

0 298

0 1748

Contact/Location: CHRIS BARTNIK - LEC0008







GRAPHS

