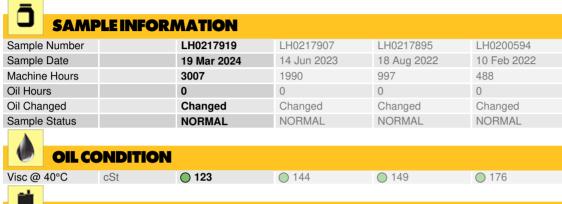
LIEBHERR

CONSTRUCTION EQUIPMENT

LIEBHERR LH50 1216-130389 - Swing Drive

Sample No: LH0217919

Oil Type: GEAR OIL LS 80W90



CONTAMINATION							
Water	%	NEG	NEG	NEG	NEG		
Silicon	ppm	2	O <1	O <1	○ 3		
Sodium	ppm	2	O 2	O <1	6		
Potassium	ppm	2	3	1	O 2		

WEA	R META	LS			
Iron	ppm	367	O 712	O 64	○ 320
Copper	ppm	39	O 27	O 22	46
Lead	ppm	0	O 0	O <1	O <1
Tin	ppm	O <1	O <1	<1	02
Aluminum	ppm	0	0 2	O <1	0 1
Chromium	ppm	4	6	O 0	0 2
Molybdenum	ppm	0	O 0	<1	O <1
Nickel	ppm	2	O <1	0	O <1
Titanium	ppm	<1	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	3	O 5	O <1	3
Vanadium	ppm	0	0	0	0

Vanadium	ppm	0	0	0	0
ADD	ITIVES				
Calcium	ppm	36	O 41	45	O 42
Magnesium	ppm	8	O 2	3	02
Zinc	ppm	25	○ 36	O 21	1 9
Phosphorus	ppm	852	O 717	1189	O 2483
Barium	ppm	0	6	O 0	9
Boron	ppm	<1	O 2	9	15



AMERICAN STATE EQUIPMENT CO.

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

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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 acceptable for the time in service.

Depot:LEC0008Unique No:10955345Signed:Wes DavisReport Date:03 Apr 2024





GRAPHS

