

LIEBHERR LH50 086895 - Swing Drive

Sample No: LH

Oil Type: LIEBHERR GEAR BASIC 90 LS

Sample Information

	 -	
Sample Number	LH	
Sample Date	22 Mar 2024	
Machine Hours	25110	
Oil Hours	0	
Oil Changed	N/A	
Sample Status	ABNORMAL	

0 260

Oil Condition

Visc @ 40°C

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Contamination							
Water	%	0.266					
Silicon	ppm	08					
Sodium	ppm	01					
Potassium	ppm	○ <1					

r Metals				
	0 61			
ppm	O 2111			
ppm	248			
ppm	<mark>0</mark> 6			
ppm	0 13			
ppm	○ <1			
ppm	<mark>)</mark> 20			
ppm	0			
ppm	01			
ppm	0			
ppm	0			
ppm	0 15			
ppm	0			
	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	61 ppm 2111 ppm 248 ppm 6 ppm 13 ppm <1	 61 ppm 2111 ppm 248 ppm 6 ppm 13 ppm <1	Image: 61 ppm 2111 ppm 248 ppm 6 ppm 13 ppm <11

Additives Calcium 07 ppm Magnesium ○ <1 ppm Zinc ppm 16 Phosphorus 0 2219 ppm Barium 0 ppm Boron ppm 09





LIEBHERR CANADA LTD.

10374 267 ST. ACHESON, AB CA T7X 6A2 Contact: Dustin Fluet dustin.fluet@liebherr.com T: (780)962-6088 F: (780)962-6799

Diagnosis

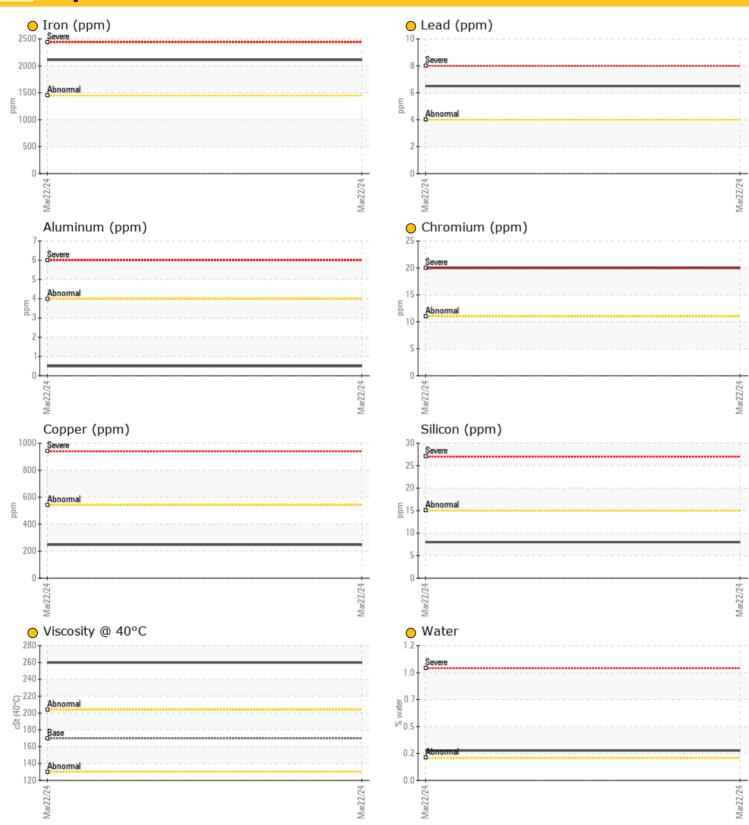
We advise that you check for the source of water entry. We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition.Chromium, iron and lead ppm levels are abnormal. Bearing wear is indicated. The low ferrous density (PQ) index indicates the wear metal levels are due to corrosion. There is a moderate concentration of water present in the oil. The viscosity of the oil is higher than normal, possibly indicating the addition of a heavier grade of oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Depot:LIESPRUnique No:5761686Signed:Kevin MarsonReport Date:15 Apr 2024Submitted By: Eric Beaulieu

CONSTRUCTION EQUIPMENT



Graphs



Report Id: LIESPR [WCAMIS] 02628554 (Generated: 04/15/2024 10:08:07) Rev: 1