

LIEBHERR LH50 086895 - Diesel Engine

0 13.5

97

Sample No: LH

Oil Type: SAE 10W40

Sample Information

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

Oil Condition Visc @ 100°C

cSt

%

Oxidation (PA)

-	

Contamination					
Water	%	NEG			
Soot %	%	0 2.3			
Nitration (PA)	%	132			
Sulfation (PA)	%	84			
Glycol	%	NEG			
Fuel	%	<1.0			
Silicon	ppm	8			
Sodium	ppm	02			
Potassium	ppm	○ <1			

Noar Motals

Iron	ppm	 69	 	
Copper	ppm	0 15	 	
Lead	ppm	04	 	
Tin	ppm	0 2	 	
Aluminum	ppm	<mark>()</mark> 15	 	
Chromium	ppm	04	 	
Molybdenum	ppm	5 2	 	
Nickel	ppm	0 🔘	 	
Titanium	ppm	0	 	
Silver	ppm	0 🔘	 	
Manganese	ppm	○ <1	 	
Vanadium	ppm	0	 	

Add	itives			
Calcium	ppm	1404	 	
Magnesium	ppm	0 814	 	
Zinc	ppm	0 1259	 	
Phosphorus	ppm	0 1024	 	
Barium	ppm	○ <1	 	
Boron	ppm	0 5	 	



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 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.Aluminum and iron ppm levels are abnormal. Cylinder, crank, or cam shaft wear is indicated. Piston wear is indicated. There is no indication of any contamination in the oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

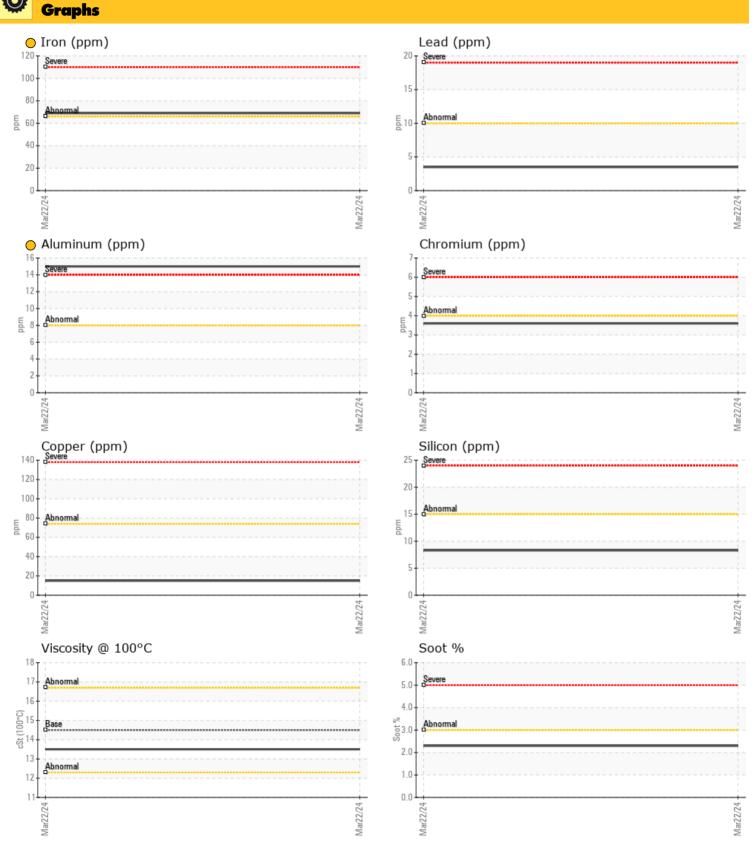
Depot: LIESPR Unique No: 5761576 Signed: Kevin Marson **Report Date:** 15 Apr 2024 Submitted By: Eric Beaulieu

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