CONSTRUCTION EQUIPMENT

2010034152 (S/N 2010.03.4152) - Diesel Engine

Sample No: LH0270594 Oil Type: **NOT GIVEN**

SAMPLEIN	IFORMATION					
Sample Number	LH0270594					
Sample Date	17 Aug 2023					
Machine Hours	1500					
Oil Hours	0					
Oil Changed	Not Changd					
Sample Status	SEVERE					
OIL CONDITION						
Oxidation (PA) %	307					
CONTAMU	NATION					

CONTAMINATION					
Soot %	%	6.2			
	/0	0.2			
Nitration (PA)	%	235			
Sulfation (PA)	%	70			
Glycol	%	0.0			
Fuel	%	0.6			
Silicon	ppm	10			
Sodium	ppm	3			
Potassium	ppm	2			

WEA	R METALS	;		
Iron	ppm	<u> </u>	 	
Copper	ppm	73	 	
Lead	ppm	4	 	
Tin	ppm	5	 	
Aluminum	ppm	3	 	
Chromium	ppm	3	 	
Molybdenum	ppm	49	 	
Nickel	ppm	0	 	
Titanium	ppm	<1	 	
Silver	ppm	0	 	
Manganese	ppm	2	 	
Vanadium	ppm	0	 	

Variation	PPIII					
ADDITIVES						
ADDI	IIVES					
Calcium	ppm	888				
Magnesium	ppm	822				
Zinc	ppm	916				
Phosphorus	ppm	783				
Barium	ppm	0				
Boron	ppm	4				



LIEBHERR CANADA LTD. - REMAN

1015 SUTTON DRIVE BURLINGTON, ON CA L7L 5Z8 Contact: Jeff Carter

jeff.carter@liebherr.com T: (905)319-9222

F: (905)319-6622

Diagnosis

We advise that you check for faulty combustion, plugged air filters, or aftercoolers. 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. Please specify the brand, type, and viscosity of the oil on your next sample. Please note that the oil was too thick to perform some of the normal laboratory tests.Iron ppm levels are abnormal. Cylinder, crank, or cam shaft wear is indicated. Fuel content negligible. There is an abnormal amount of solids and carbon present in the oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Depot: REMAN Unique No: 5629734 Kevin Marson Signed: **Report Date:** 23 Aug 2023

Contact/Location: Jeff Carter - REMAN

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CONSTRUCTION EQUIPMENT





GRAPHS

