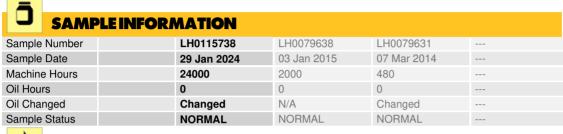
# LIEBHERR

# **CONSTRUCTION EQUIPMENT**

## LIEBHERR LH50M 068902-1203 - Diesel Engine

Sample No: LH0115738

Oil Type: PETRO CANADA DURON HP 15W40



OIL CO	NDITION			<ul><li>○ 14.1</li><li>○ 93</li></ul>			
Visc @ 100°C	cSt	<b>13.5</b>	O 14.4	O 14.1			
Oxidation (PA)	%	54	<b>57</b>	93			

CONT	AMINAT	ION			
Water	%	NEG	NEG	NEG	
Soot %	%	<b>0.2</b>	O 0	0.2	
Nitration (PA)	%	48	<b>48</b>	108	
Sulfation (PA)	%	52	<b>O</b> 57	<b>7</b> 0	
Glycol	%	NEG	NEG	NEG	
Fuel	%	<1.0	<1.0	<1.0	
Silicon	ppm	<b>5</b>	0 8	O 11	
Sodium	ppm	<b>O</b> <1	O 1	<1	
Potassium	ppm	<b>()</b> <1	O <1	3	

(O)		_			
WE!	AR METAL	5			
Iron	ppm	<b>3</b>	<b>3</b>	O 44	
Copper	ppm	<b>○</b> <1	O 2	○ 317	
Lead	ppm	<b>0</b>	O <1	<b>18</b>	
Tin	ppm	<b>0</b>	O 0	<b>3</b>	
Aluminum	ppm	<b>2</b>	<b>3</b>	<b>20</b>	
Chromium	ppm	<b>0</b>	O <1	<b>1</b>	
Molybdenum	ppm	<b>57</b>	O <1	<1	
Nickel	ppm	<b>0</b>	O <1	O <1	
Titanium	ppm	0	<1	<1	
Silver	ppm	<b>0</b>	<1	<1	
Manganese	ppm	<b>0</b>	O <1	2	
Vanadium	ppm	0	0	0	

ADDITIVES						
Calcium	ppm	<b>1075</b>	O 1971	O 2445		
Magnesium	ppm	<b>871</b>	O 10	<b>18</b>		
Zinc	ppm	<b>1105</b>	O 1100	945		
Phosphorus	ppm	<b>973</b>	O 943	768		
Barium	ppm	<b>0</b>	O 0	<b>29</b>		
Boron	ppm	<b>12</b>	<b>68</b>	<b>10</b>		



West Fraser Mills P.O. BOX 97 100 Mile House, BC CA V0K 2Z0

Contact: JIM (MAINTENANCE)

T: (250)395-8200 F:

#### 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: WES100
Unique No: 5733654
Signed: Wes Davis
Report Date: 20 Feb 2024





### **GRAPHS**

