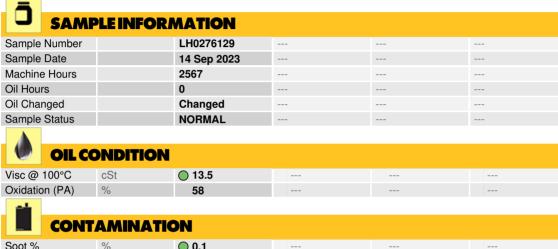
## LIEBHERR

## **CONSTRUCTION EQUIPMENT**

## LIEBHERR L538 52298 - Diesel Engine

Sample No: LH0276129

Oil Type: DIESEL ENGINE OIL SAE 40



CONTAMINATION							
Soot %	%	<b>0.1</b>					
Nitration (PA)	%	59					
Sulfation (PA)	%	51					
Glycol	%	NEG					
Fuel	%	<1.0					
Silicon	ppm	<b>3</b>					
Sodium	ppm	<b>2</b>					
Potassium	ppm	<b>○</b> <1					

(O) NATE A				
WEA	R METAL	.S		
Iron	ppm	<b>10</b>	 	
Copper	ppm	<b>3</b>	 	
Lead	ppm	<b>O</b> <1	 	
Tin	ppm	<b>○</b> <1	 	
Aluminum	ppm	<b>1</b>	 	
Chromium	ppm	<b>○</b> <1	 	
Molybdenum	ppm	<b>56</b>	 	
Nickel	ppm	<b>0</b>	 	
Titanium	ppm	<b>0</b>	 	
Silver	ppm	<b>()</b> <1	 	
Manganese	ppm	<b>○</b> <1	 	
Vanadium	ppm	0	 	

ADD	OITIVES			
Calcium	ppm	<b>1018</b>	 	
Magnesium	ppm	<b>960</b>	 	
Zinc	ppm	<b>1164</b>	 	
Phosphorus	ppm	<b>1035</b>	 	
Barium	ppm	<b>0</b>	 	
Boron	ppm	<b>5</b>	 	





#### LIEBHERR CANADA LTD.

1015 SUTTON DRIVE BURLINGTON, ON CA L7L 5Z8

Contact: Joseph Rodgers joseph.rodgers@liebherr.com

T: (905)319-9222 F: (905)319-6622

#### Diagnosis

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) DIESEL ENGINE OIL SAE 40. Please confirm.

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:LIEMISUnique No:5643752Signed:Wes DavisReport Date:15 Sep 2023

# LIEBHERR

### CONSTRUCTION EQUIPMENT





#### **GRAPHS**

