

## LIEBHERR L58071616 - Diesel Engine

LH0270318

25 Sep 2023 2888

0

N/A NORMAL

13.5

63

Sample No: LH0270318

**Oil Type:** PETRO CANADA SUPREME 5W30

## SAMPLE INFORMATION

Sample Number	
Sample Date	
Machine Hours	
Oil Hours	
Oil Changed	
Sample Status	

)	<b>OIL CONDITION</b>		
@	100°C	cSt	

Oxidation (PA)

Visc

# CONTAMINATION

Soot %	%	0				
Nitration (PA)	%	55				
Sulfation (PA)	%	54				
Glycol	%	NEG				
Fuel	%	<1.0				
Silicon	ppm	0 5				
Sodium	ppm	0 2				
Potassium	ppm	01				

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#### WEAR METALS

Iron	ppm	04	 	
Copper	ppm	<b>5</b>	 	
Lead	ppm	01	 	
Tin	ppm	<mark>○</mark> <1	 	
Aluminum	ppm	<b>○</b> <1	 	
Chromium	ppm	0 ()	 	
Molybdenum	ppm	<b>5</b> 9	 	
Nickel	ppm	0	 	
Titanium	ppm	0	 	
Silver	ppm	<mark>()</mark> <1	 	
Manganese	ppm	0	 	
Vanadium	ppm	0	 	

0

#### **ADDITIVES** Calcium ppm 0 1047 Magnesium 0 965 ppm Zinc 0 1181 ppm Phosphorus 0 975 ppm Barium 0 <1 ppm Boron ppm 04





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.All component wear rates are normal. There is no indication of any contamination in the oil. Viscosity of sample indicates oil is within SAE 40 range, advise investigate. The condition of the oil is acceptable for the time in service.

 Depot:
 LIEMIS

 Unique No:
 5646225

 Signed:
 Bill Quesnel

 Report Date:
 26 Sep 2023

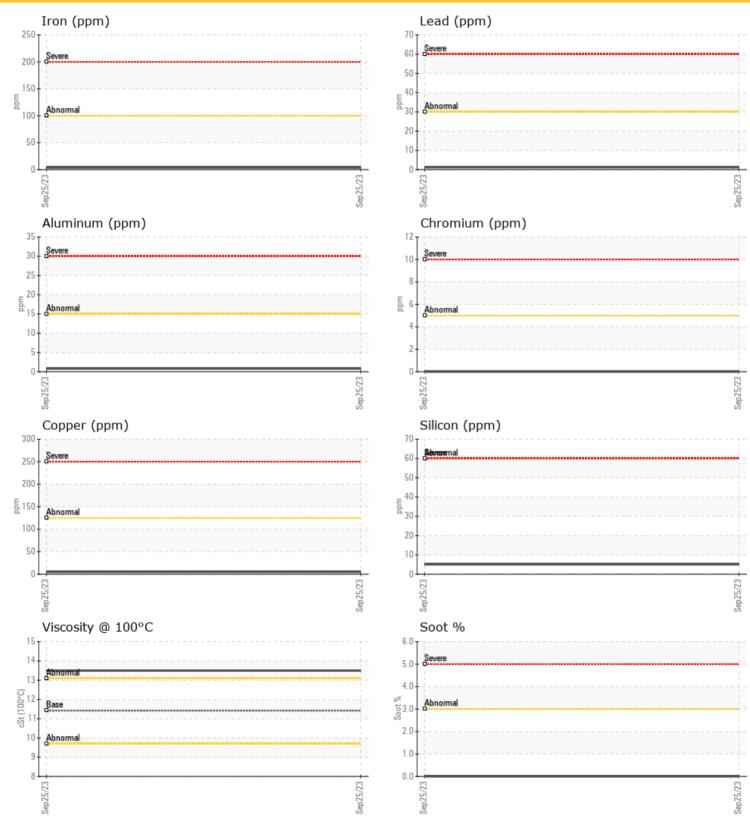
Contact/Location: Joseph Rodgers - LIEMIS





GRAPHS

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Contact/Location: Joseph Rodgers - LIEMIS