

# 24303 - Diesel Engine

LH0276300 Sample No: Oil Type: **SAE 5W30** 

0 12.4

54

SAMPLE INFORMATION					
Sample Number	LH0276300				
Sample Date	25 Mar 2024				
Machine Hours	19048				
Oil Hours	0				
Oil Changed	Not Changd				
Sample Status	ABNORMAL				

**OIL CONDITION** Visc @ 100°C

### cSt %

Oxidation (PA)

CONTAMINATION

Water	%	NEG			
Soot %	%	<del>0</del> 3.2			
Nitration (PA)	%	77			
Sulfation (PA)	%	68			
Glycol	%	NEG			
Fuel	%	0.9			
Silicon	ppm	06			
Sodium	ppm	<b>2</b>			
Potassium	ppm	01			

## WEAD METAI S

Iron	ppm	0 17	 	
Copper	ppm	<b>○</b> <1	 	
Lead	ppm	0 🔘	 	
Tin	ppm	0	 	
Aluminum	ppm	01	 	
Chromium	ppm	<b>○</b> <1	 	
Molybdenum	ppm	0 40	 	
Nickel	ppm	<b>○</b> <1	 	
Titanium	ppm	8 🔘	 	
Silver	ppm	0	 	
Manganese	ppm	0 🔘	 	
Vanadium	ppm	0	 	

	DITIVES			
Calcium	ppm	0 1524	 	
Magnesium	ppm	<b>507</b>	 	
Zinc	ppm	0 1117	 	
Phosphorus	ppm	943	 	
Barium	ppm	0	 	
Boron	ppm	<b>5</b> 9	 	
		e e		





### LIEBHERR CANADA LTD.

1015 SUTTON DRIVE BURLINGTON, ON CA L7L 5Z8 Contact: Joseph Rodgers joseph.rodgers@liebherr.com T: F: (905)319-6622

Diagnosis

We recommend that you drain the oil from the component if this has not already been done.All component wear rates are normal. Fuel content negligible. Light concentration of carbon/soot present in the oil. The oil is no longer serviceable due to the presence of contaminants.

Depot: LIEMIS Unique No: 5749706 Signed: Wes Davis Report Date: 27 Mar 2024

Report Id: LIEMIS [WCAMIS] 02624587 (Generated: 03/27/2024 11:50:59) Rev: 1

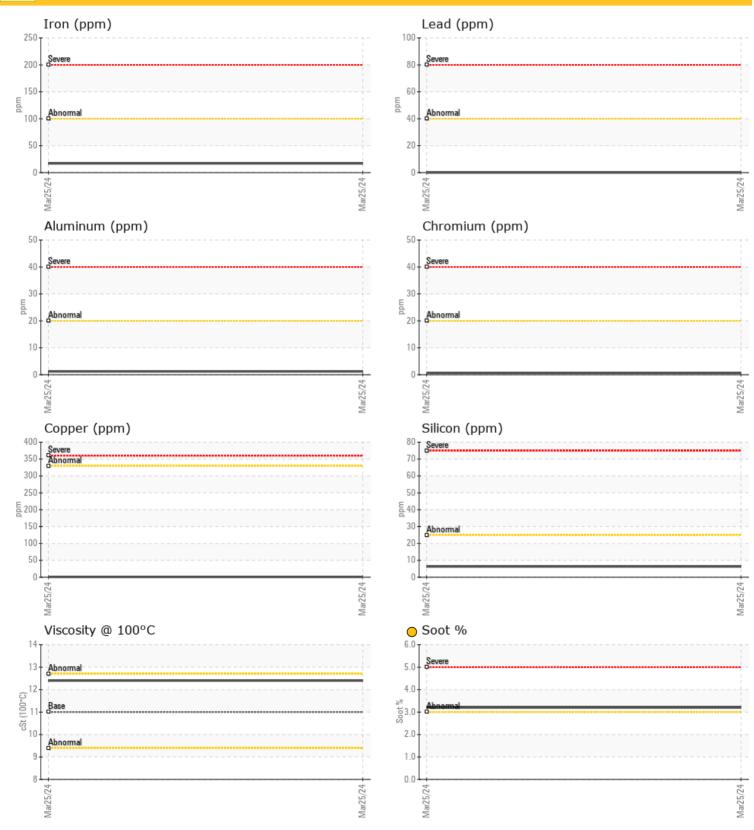
Contact/Location: Joseph Rodgers - LIEMIS





GRAPHS

 $\overline{\mathbf{O}}$ 



Report Id: LIEMIS [WCAMIS] 02624587 (Generated: 03/27/2024 11:51:01) Rev: 1

Contact/Location: Joseph Rodgers - LIEMIS