



# 162921049 - Diesel Engine

Sample No: LH0242574

**Oil Type: DIESEL ENGINE OIL SAE 40** 

SAMPLE INFO	RMATION		
Sample Number	LH0242574	 	
Sample Date	11 Oct 2022	 	
Machine Hours	535	 	
Oil Hours	0	 	
Oil Changed	Not Changd	 	
Sample Status	NORMAL	 	

**OIL CONDITION** Visc @ 100°C cSt

Oxidation (PA) %

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Water	%	NEG			
Soot %	%	0			

0 14.3

57

Soot %	%	0	 	
Nitration (PA)	%	44	 	
Sulfation (PA)	%	50	 	
Glycol	%	NEG	 	
Fuel	%	<1.0	 	
Silicon	ppm	6	 	
Sodium	ppm	02	 	
Potassium	ppm	01	 	

## WEAD METAI C

Iron	ppm	<b>1</b> 3	 	
Copper	ppm	0 2	 	
Lead	ppm	<b>○</b> <1	 	
Tin	ppm	<b>○</b> <1	 	
Aluminum	ppm	04	 	
Chromium	ppm	<b>○</b> <1	 	
Molybdenum	ppm	57	 	
Nickel	ppm	0	 	
Titanium	ppm	<b>○</b> <1	 	
Silver	ppm	0	 	
Manganese	ppm	<b>○</b> <1	 	
Vanadium	ppm	0	 	

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<b>ADD</b>	ITIVES			
Calcium	ppm	0 1032	 	
Magnesium	ppm	947	 	
Zinc	ppm	0 1168	 	
Phosphorus	ppm	0 1088	 	
Barium	ppm	0	 	
Boron	ppm	0 11	 	

#### LIEBHERR CANADA LTD. 1015 SUTTON DRIVE

BURLINGTON, ON CA L7L 5Z8 Contact: Steve Lehto steve.lehto@liebherr.com T: (905)319-9222 F: (905)319-6617

#### 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. Metal levels are typical for a new component breaking in. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: LIEMIS Unique No: 5472873 Signed: Wes Davis **Report Date:** 13 Oct 2022

Report Id: LIEMIS [WCAMIS] 02515893 (Generated: 01/04/2024 15:19:37) Rev: 1

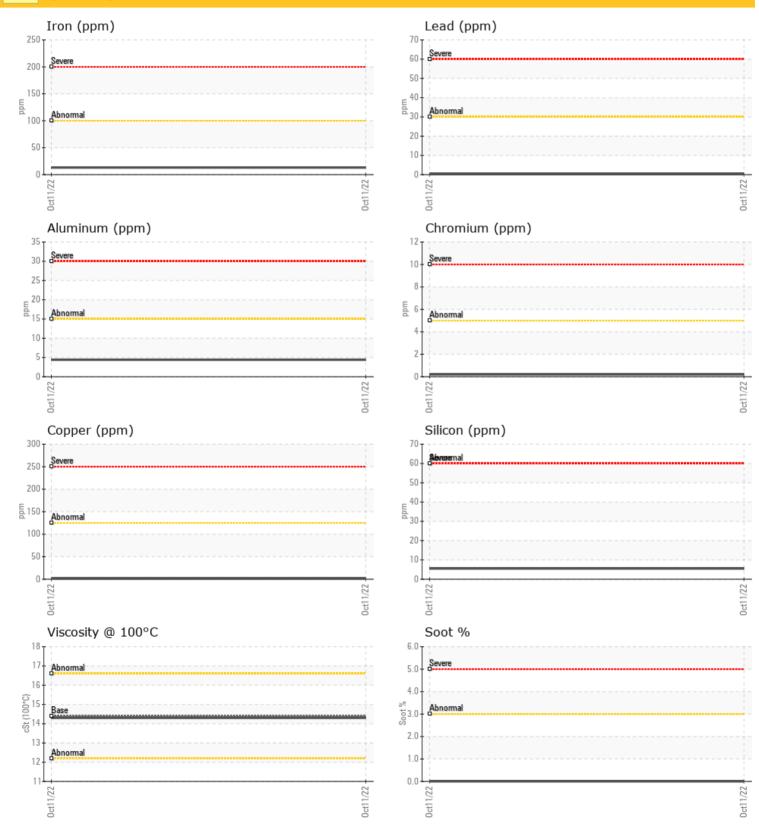
Contact/Location: Steve Lehto - LIEMIS





GRAPHS

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Report Id: LIEMIS [WCAMIS] 02515893 (Generated: 01/04/2024 15:19:39) Rev: 1

Contact/Location: Steve Lehto - LIEMIS