

## LIEBHERR R934C 25286 - Diesel Engine

0 15.1

59

Sample No: LH0274712 **Oil Type: SAE 5W30** 

# **SAMPLE INFORMATION**

Sample Number	LH0274712	 	
Sample Date	28 Aug 2023	 	
Machine Hours	0	 	
Oil Hours	0	 	
Oil Changed	Not Changd	 	
Sample Status	ABNORMAL	 	

**OIL CONDITION** Visc @ 100°C

Oxidation (PA)

Soot %	%	2.2				
Nitration (PA)	%	68				
Sulfation (PA)	%	68				
Glycol	%	0.028				
Fuel	%	<1.0				
Silicon	ppm	06				
Sodium	ppm	0 11				
Potassium	ppm	08				

### **WEAR METALS**

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%

Iron	ppm	0 10	 	
Copper	ppm	<b>○</b> <1	 	
Lead	ppm	<b>○</b> <1	 	
Tin	ppm	0	 	
Aluminum	ppm	01	 	
Chromium	ppm	<b>○</b> <1	 	
Molybdenum	ppm	11	 	
Nickel	ppm	0	 	
Titanium	ppm	0	 	
Silver	ppm	0	 	
Manganese	ppm	<b>○</b> <1	 	
Vanadium	ppm	0	 	

#### **ADDITIVES**

Calcium	ppm	2106	 	
Magnesium	ppm	51	 	
Zinc	ppm	0 1057	 	
Phosphorus	ppm	<b>948</b>	 	
Barium	ppm	0	 	
Boron	ppm	103	 	





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

We advise that you check for the source of the coolant leak. We recommend that you drain the oil from the component if this has not already been done. We advise that you flush the component thoroughly before re-filling with oil. Confirm the source of the lubricant being utilized for top-up/fill. We recommend an early resample to monitor this condition. The fluid was specified as (GENERIC) SAE 5W30, however, a fluid match indicates that this fluid is SAE 40 Diesel Engine Oil. Please confirm the oil type and grade on your next sample.All component wear rates are normal. Test for glycol is positive. There is a light concentration of glycol present in the oil. This plus the additive levels indicates that this is not the same brand, or type of oil as reported. The oil is no longer serviceable due to the presence of contaminants.

Depot: LIEMIS Unique No: 5632699 Signed: Wes Davis Report Date: 31 Aug 2023

Report Id: LIEMIS [WCAMIS] 02579639 (Generated: 08/31/2023 15:29:10) Rev: 1

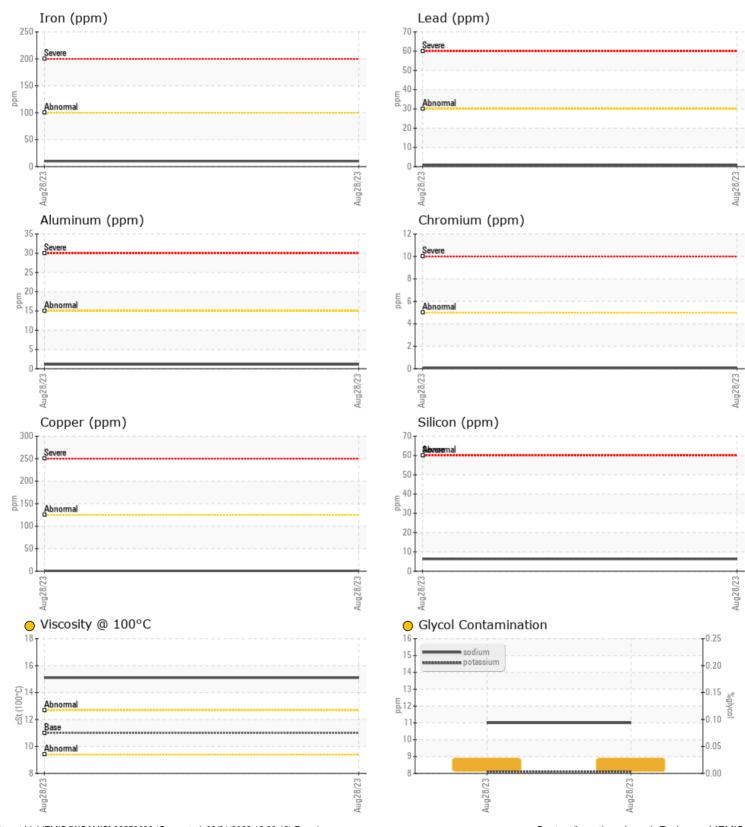
Contact/Location: Joseph Rodgers - LIEMIS





GRAPHS

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Report Id: LIEMIS [WCAMIS] 02579639 (Generated: 08/31/2023 15:29:13) Rev: 1

Contact/Location: Joseph Rodgers - LIEMIS