# **CONSTRUCTION EQUIPMENT**



Sample No: LH0291144 **Oil Type:** {unknown}

#### **Sample Information**

Sample Number	LH0291144	 	
Sample Date	09 May 2024	 	
Machine Hours	2719	 	
Oil Hours	0	 	
Oil Changed	Changed	 	
Sample Status	NORMAL	 	

11.8

47

**Oil Condition** Visc @ 100°C

#### cSt Oxidation (PA) %

-

Contamination						
Water	%	NEG				
Soot %	%	0				
Nitration (PA)	%	63				
Sulfation (PA)	%	51				
Glycol	%	NEG				
Fuel	%	0.4				
Silicon	ppm	02				
Sodium	ppm	02				
Potassium	ppm	0 11				

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Iron	ppm	6				
Copper	ppm	0 2				
Lead	ppm	0 🔘				
Tin	ppm	0 ()				
Aluminum	ppm	<b>3</b>				
Chromium	ppm	0 ()				
Molybdenum	ppm	06				
Nickel	ppm	0 ()				
Titanium	ppm	0				
Silver	ppm	0 ()				
Manganese	ppm	0				
Vanadium	ppm	0				

Add 1	Additives						
Calcium	ppm	<b>2169</b>					
Magnesium	ppm	<b>0</b> 126					
Zinc	ppm	0 1047					
Phosphorus	ppm	0 888					
Barium	ppm	<b>○</b> <1					
Boron	ppm	<b>0</b> 20					



#### 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

No corrective action is recommended at this time. Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is SAE 30 Diesel Engine Oil. Please confirm the oil type and grade, and specify the brand of the oil on your next sample.All component wear rates are normal. Fuel content negligible. Elevated aluminum (AI) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. There is no indication of any contamination in the oil. Viscosity of sample indicates oil is within SAE 30 range, advise investigate. The condition of the oil is acceptable for the time in service.

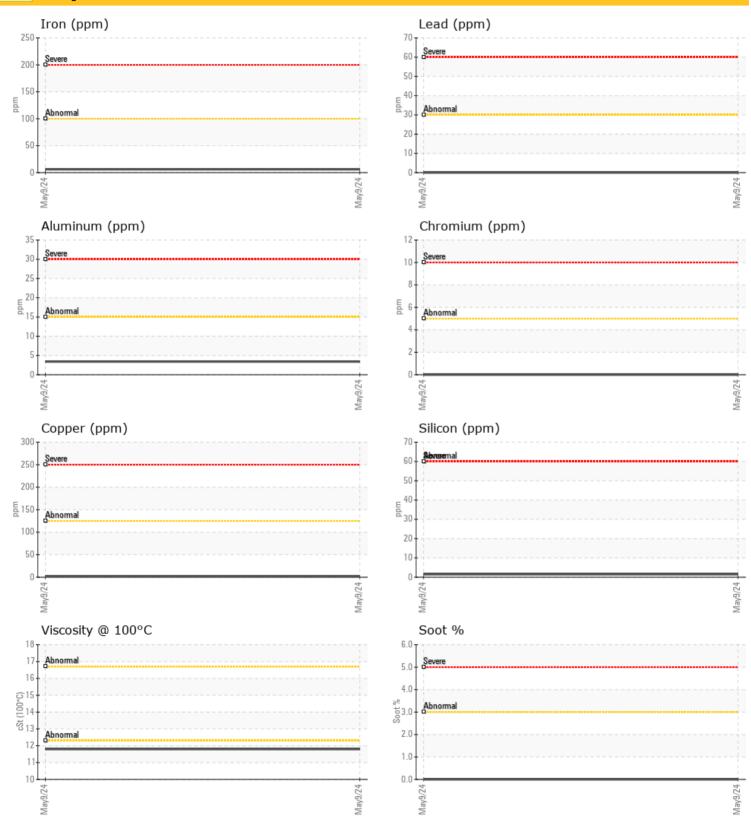
Depot: LIEMIS Unique No: 5775647 Kevin Marson Signed: **Report Date:** 13 May 2024

Contact/Location: Steve Lehto - LIEMIS

# **CONSTRUCTION EQUIPMENT**



**Graphs** 



Report Id: LIEMIS [WCAMIS] 02634494 (Generated: 05/13/2024 09:17:49) Rev: 1

Contact/Location: Steve Lehto - LIEMIS