



2018.03.8834 - Diesel Engine

Sample No: LH0274342

Oil Type: NOT GIVEN

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Oxidation (PA)

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SAMPLE INFORMATION

Sample Number	LH0274342	 	
Sample Date	20 Oct 2023	 	
Machine Hours	0	 	
Oil Hours	0	 	
Oil Changed	Not Changd	 	
Sample Status	ABNORMAL	 	

OIL CONDITION				
Visc @ 40°C	cSt	75.1		
Visc @ 100°C	cSt	11.3		
Viscosity Index (VI)	Scale	141		

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Soot %	%	0			
Nitration (PA)	%	63			
Sulfation (PA)	%	62			
Glycol	%	0.0			
Fuel	%	0.8			
Silicon	ppm	0 18			
Sodium	ppm	0 4			
Potassium	ppm	<u> </u>			

\bigcirc WEAR METALS Iron ppm 2 Copper ○ <1 ppm Lead **○** <1 ppm Tin ppm 0 Aluminum 0 10 ppm Chromium 0 ppm Molybdenum ppm 0 1170 Nickel 0 ppm Titanium 0 ppm Silver 0 ppm Manganese 0 ppm Vanadium ppm 0

	TIVES			
Calcium	ppm	0 484	 	
Magnesium	ppm	97	 	
Zinc	ppm	<mark>)</mark> 9	 	
Phosphorus	ppm	07	 	
Barium	ppm	○ <1	 	
Boron	ppm	0 496	 	

LIEBHERR CANADA LTD. - REMAN

1015 SUTTON DRIVE BURLINGTON, ON CA L7L 5Z8 Contact: Jeff Carter jeff.carter@liebherr.com T: (905)319-9222 F: (905)319-6622

Diagnosis

Check for low coolant level. No corrective action is recommended at this time. We recommend that you drain the oil from the component if this has not already been done. Confirm the source of the lubricant being utilized for top-up/fill. We recommend an early resample to monitor this condition. Please specify the brand, type, and viscosity of the oil on your next sample.All component wear rates are normal. Fuel content negligible. Water treatment chemicals present, indicating slow coolant leak. Test for glycol is negative. Additive levels indicate the addition of a different brand, or type of oil. Viscosity of sample indicates oil is within SAE 10W30 range, advise investigate. The condition of the oil is acceptable for the time in service (see recommendation).

 Depot:
 REMAN

 Unique No:
 5668003

 Signed:
 Kevin Marson

 Report Date:
 27 Oct 2023

Report Id: REMAN [WCAMIS] 02590924 (Generated: 10/27/2023 08:37:10) Rev: 1

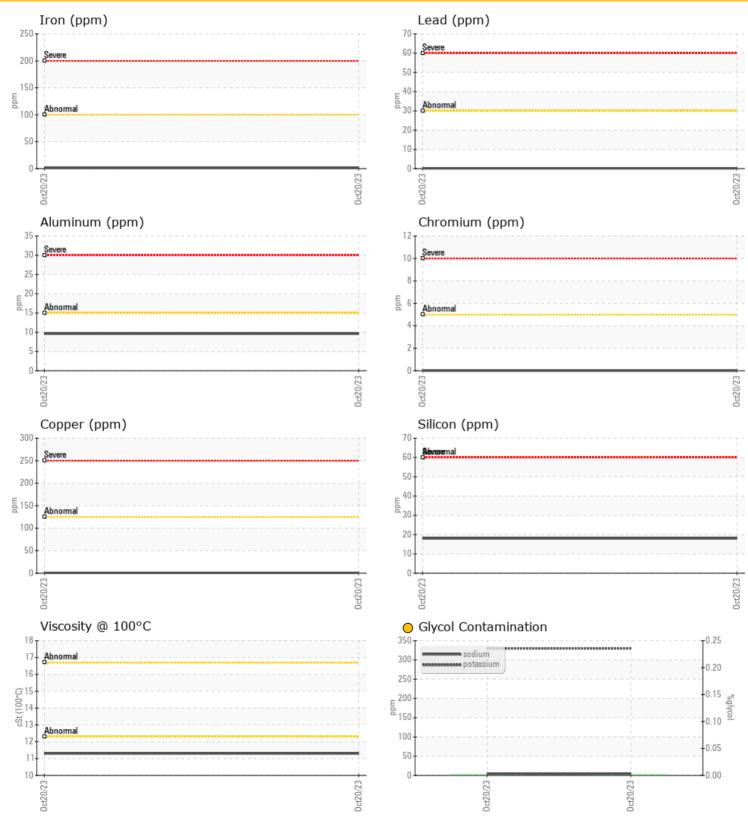
Contact/Location: Jeff Carter - REMAN





GRAPHS

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