



2018.03.8865 - Diesel Engine

Sample No: LH0274480

Oil Type: NOT GIVEN

SAMPLE INFORMATION

Sample Number	LH0274480	 	
Sample Date	05 Sep 2023	 	
Machine Hours	0	 	
Oil Hours	0	 	
Oil Changed	N/A	 	
Sample Status	NORMAL	 	

11.4

96

۲	OIL CO	NDITION	
Visc @ 1	00°C	cSt	

Oxidation (PA)

- 1	

CON'	TAMIN/	ATION		
Soot %	%	0	 	
Nitration (PA)	%	115	 	
Sulfation (PA)	%	67	 	
Glycol	%	NEG	 	
Fuel	%	0 1.2	 	
Silicon	ppm	08	 	
Sodium	ppm	01	 	
Potassium	ppm	6	 	

WEAR METALS

Iron	ppm	0 12	 	
Copper	ppm	0 4	 	
Lead	ppm	○ <1	 	
Tin	ppm	0	 	
Aluminum	ppm	04	 	
Chromium	ppm	○ <1	 	
Molybdenum	ppm	0 46	 	
Nickel	ppm	0	 	
Titanium	ppm	0	 	
Silver	ppm	○ <1	 	
Manganese	ppm	<1	 	
Vanadium	ppm	0	 	

	DITIVES			
Calcium	ppm	0 1290	 	
Magnesium	ppm	0 891	 	
Zinc	ppm	0 821	 	
Phosphorus	ppm	665	 	
Barium	ppm	0 🔘	 	
Boron	maa	0 38	 	

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

No corrective action is recommended at this time. Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.All component wear rates are normal. Elevated aluminum (Al) 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. Light fuel dilution occurring. No other contaminants were detected 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: REMAN Unique No: 5633689 Signed: Kevin Marson **Report Date:** 07 Sep 2023

Report Id: REMAN [WCAMIS] 02580629 (Generated: 09/07/2023 10:07:13) Rev: 1

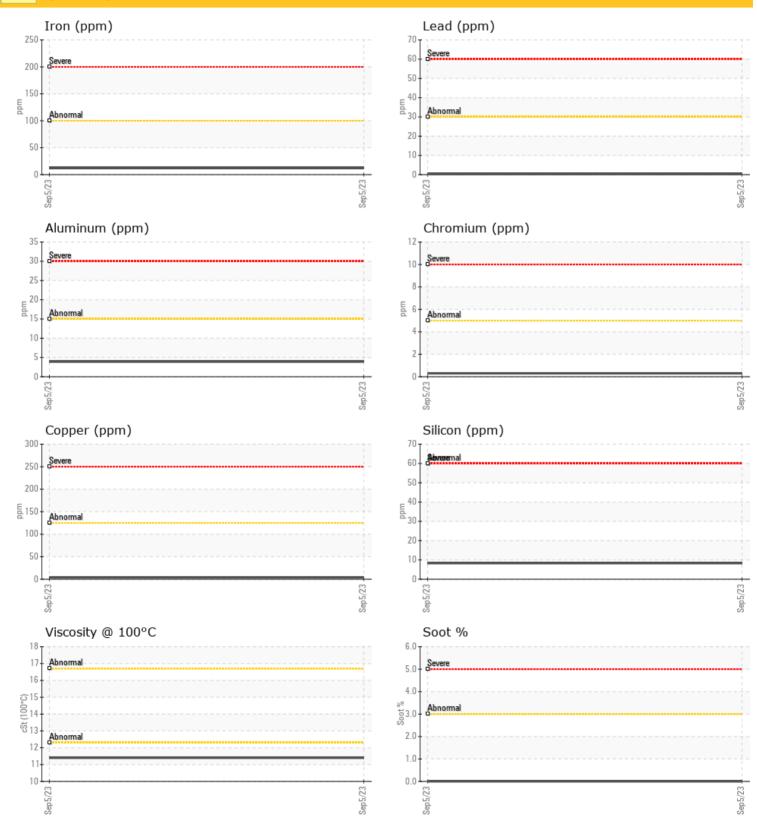
Contact/Location: Jeff Carter - REMAN

CONSTRUCTION EQUIPMENT



GRAPHS

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