3 H E R R E **CONSTRUCTION EQUIPMENT**



[LIEBHERR RENTAL UNIT] 115454 - Diesel Engine

Sample No: LH0250373

Oil Type:

PETRO CANADA DURON UHP 5W30

0 11.3

68

SAMPLE INFORMATION Sample Number LH0250373 Sample Date 04 Oct 2023 Machine Hours 3030 **Oil Hours** 0 Oil Changed Changed Sample Status NORMAL

	OIL CO	ONDITION
Visc @ 10	0°C	cSt

Oxidation (PA)

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		L
	_	L

Soot %	%	0			
Nitration (PA)	%	63			
Sulfation (PA)	%	54			
Glycol	%	NEG			
Fuel	%	<1.0			
Silicon	ppm	5			
Sodium	ppm	04			
Potassium	ppm	○ <1			

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WEAR METALS

%

Iron	ppm	3	 	
Copper	ppm	○ <1	 	
Lead	ppm	0	 	
Tin	ppm	0 ()	 	
Aluminum	ppm	○ <1	 	
Chromium	ppm	0 ()	 	
Molybdenum	ppm	58	 	
Nickel	ppm	0 ()	 	
Titanium	ppm	0	 	
Silver	ppm	<mark>()</mark> <1	 	
Manganese	ppm	0 ()	 	
Vanadium	ppm	0	 	

ADDITIVES

Calcium	ppm	847	 	
Magnesium	ppm	0 1089	 	
Zinc	ppm	1197	 	
Phosphorus	ppm	0 1010	 	
Barium	ppm	○ <1	 	
Boron	ppm	0 38	 	

LIEBHERR CANADA LTD.

10374 267 ST. ACHESON, AB CA T7X 6A2 Contact: Dustin Fluet dustin.fluet@liebherr.com T: (780)962-6088 F: (780)962-6799

Diagnosis

Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: LIESPR Unique No: 5659605 Signed: Wes Davis **Report Date:** 20 Oct 2023

Report Id: LIESPR [WCAMIS] 02590539 (Generated: 10/20/2023 12:34:34) Rev: 1

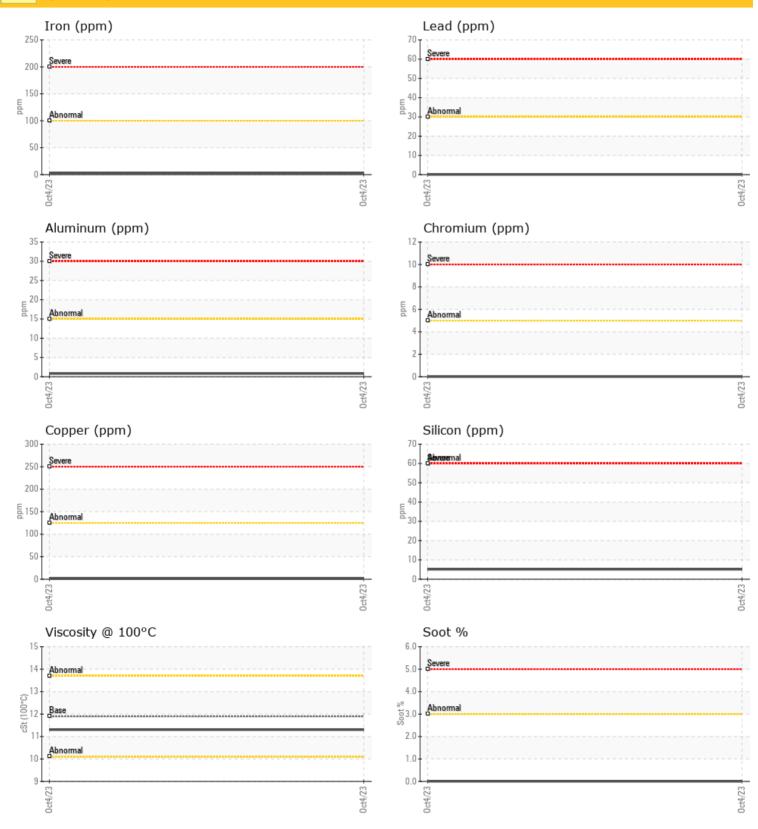
Contact/Location: Dustin Fluet - LIESPR

CONSTRUCTION EQUIPMENT



GRAPHS

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Report Id: LIESPR [WCAMIS] 02590539 (Generated: 10/20/2023 12:34:36) Rev: 1

Contact/Location: Dustin Fluet - LIESPR