LIEBHERR

CONSTRUCTION EQUIPMENT

[SUBLATOS] LIEBHERR R934 54888 - Diesel Engine

Sample No: LH0225121

Fuel

Silicon

Sodium

Potassium

Oil Type: PETRO CANADA 10W40

%

ppm

ppm

ppm

<1.0

8

5

0

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U SAM	PLE INF	ORMATION		
Sample Number		LH0225121	LH0224993	
Sample Date		29 May 2023	15 Mar 2023	
Machine Hours		971	577	
Oil Hours		0	0	
Oil Changed		Changed	Changed	
Sample Status		NORMAL	NORMAL	
	ONDIT			
Visc @ 100°C	cSt	12.0	11.8	
Oxidation (PA)	%	99	203	
CON'	TAMIN	ATION		
Soot %	%	0	0	
Nitration (PA)	%	89	103	
Sulfation (PA)	%	65	114	
Glycol	%	NEG	NEG	

			0	
WEA	R METALS			
Iron	ppm	7	O 13	
Copper	ppm	102	O 265	
Lead	ppm	4	9	
Tin	ppm	0 <1	02	
Aluminum	ppm	1	3	
Chromium	ppm	() <1	O <1	
Molybdenum	ppm	58	47	
Nickel	ppm	0	O <1	
Titanium	ppm	0	<1	
Silver	ppm	0 <1	O 0	
Manganese	ppm	0	1	
Vanadium	ppm	0	0	

10

3

02

ADDITIVES						
Calcium	ppm	923	O 1365			
Magnesium	ppm	1145	948			
Zinc	ppm	1249	○ 886			
Phosphorus	ppm	1014	O 797			
Barium	ppm	3	O 26			
Boron	ppm	37	○ 89			



LIEBHERR CANADA LTD.

10374 267 ST. ACHESON, AB CA T7X 6A2 Contact: Dustin Fluet

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Diagnosis

Resample at the next service interval to monitor. Metal levels are typical for a new component breaking in. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot:LIESPRUnique No:5655123Signed:Kevin MarsonReport Date:02 Oct 2023

Contact/Location: Dustin Fluet - LIESPR

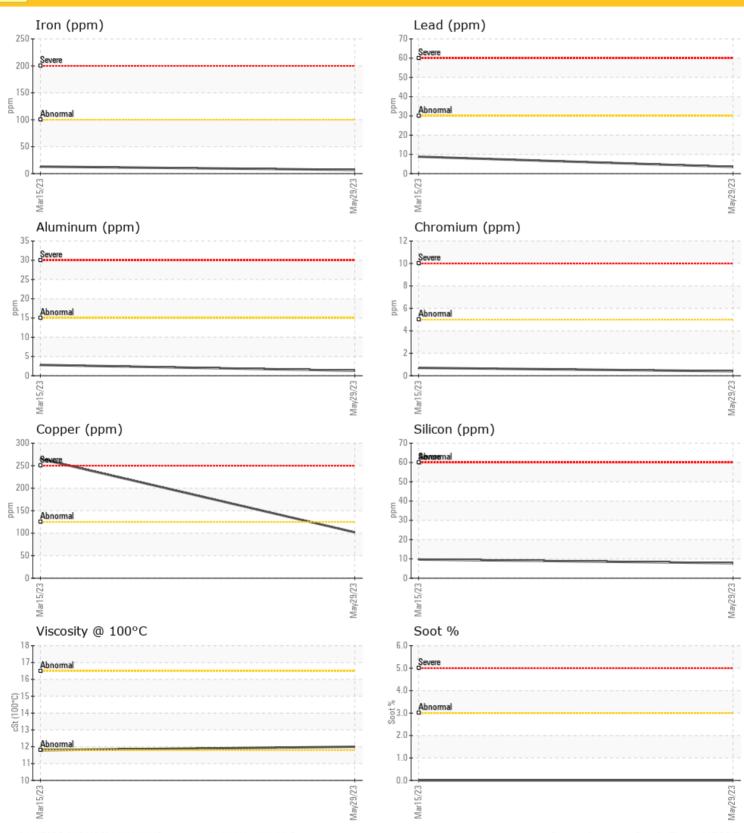
LIEBHERR

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GRAPHS



Report Id: LIESPR [WCAMIS] 02586057 (Generated: 10/02/2023 15:53:59) Rev: 1

Contact/Location: Dustin Fluet - LIESPR