CONSTRUCTION EQUIPMENT

115070 - Diesel Engine

LH0289453 Sample No:

Oil Type: PETRO CANADA SUPREME 5W30

Sample In	formation		
Sample Number	LH0289453	LH0251627	
Sample Date	04 Apr 2024	20 Jan 2023	
Machine Hours	1813	836	
Oil Hours	0	0	
Oil Changed	Changed	Changed	
Sample Status	NORMAL	NORMAL	

0 11.8

114

Visc @ 100°C Oxidation (PA)

Oil Condition cSt %

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Conta	mination			
Water	%	NEG	NEG	
Soot %	%	0	0	
Nitration (PA)	%	108	123	
Sulfation (PA)	%	73	120	
Glycol	%	0.0	0.0	
Fuel	%	<1.0	<1.0	
Silicon	ppm	9	9	
Sodium	ppm	4	2	
Potassium	ppm	0 16	0 14	

0 11.4

233

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Iron	ppm	1 8	25	
Copper	ppm	◯ 55	233	
Lead	ppm	04	38	
Tin	ppm	○ <1	03	
Aluminum	ppm	04	3	
Chromium	ppm	○ <1	01	
Molybdenum	ppm	5 2	0 46	
Nickel	ppm	0	○ <1	
Titanium	ppm	<1	<1	
Silver	ppm	0 ()	0	
Manganese	ppm	○ <1	2	
Vanadium	ppm	0	0	

Add	itives				
Calcium	ppm	0 1144	1407	 	
Magnesium	ppm	977	945	 	
Zinc	ppm	0 1182	843	 	
Phosphorus	ppm	948	○ 745	 	
Barium	ppm	6	44	 	
Boron	ppm	12	54	 	

Depot: LIEMIS Unique No: 5760737 Signed: Kevin Marson Report Date: 09 Apr 2024

Report Id: LIEMIS [WCAMIS] 02627605 (Generated: 04/09/2024 16:47:57) Rev: 1



Contact/Location: Steve Lehto - LIEMIS



BURLINGTON, ON CA L7L 5Z8 Contact: Steve Lehto steve.lehto@liebherr.com T: (905)319-9222

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the time in service.

Diagnosis



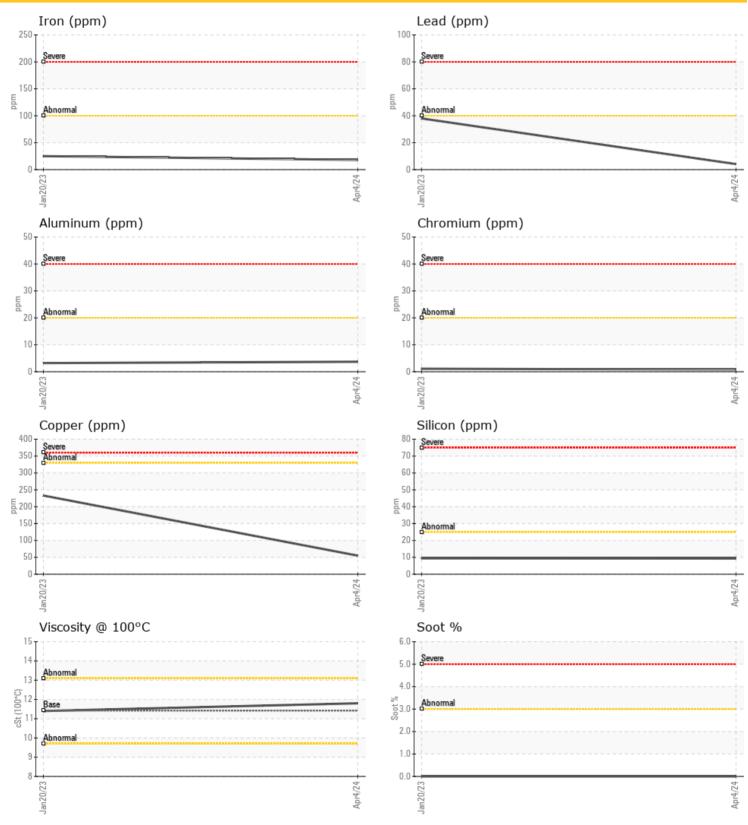
Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for

CONSTRUCTION EQUIPMENT



Graphs

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