

LIEBHERR L586 74609 - Diesel Engine

0 11.8

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Sample No: LH0295153

Oil Type: PETRO CANADA 10W40

Sample Information

Sample Number	LH0295153	 	
Sample Date	07 Jul 2024	 	
Machine Hours	3024	 	
Oil Hours	0	 	
Oil Changed	Changed	 	
Sample Status	ABNORMAL	 	

Oil Condition Visc @ 100°C

cSt %

Oxidation (PA) **a b**

Cont	aminati	ion		
Water	%	NEG	 	
Soot %	%	0 🔘	 	
Nitration (PA)	%	75	 	
Sulfation (PA)	%	56	 	
Glycol	%	NEG	 	
Fuel	%	0.0	 	
Silicon	ppm	04	 	
Sodium	ppm	04	 	
Potassium	ppm	() <1	 	

Wear Metals

		•		
Iron	ppm	5	 	
Copper	ppm	02	 	
Lead	ppm	0	 	
Tin	ppm	0 ()	 	
Aluminum	ppm	01	 	
Chromium	ppm	○ <1	 	
Molybdenum	ppm	5 9	 	
Nickel	ppm	<mark></mark> <1	 	
Titanium	ppm	0	 	
Silver	ppm	0 ()	 	
Manganese	ppm	0	 	
Vanadium	ppm	0	 	

Addi	itives			
Calcium	ppm	0 856	 	
Magnesium	ppm	0 1110	 	
Zinc	ppm	0 1238	 	
Phosphorus	ppm	0 1008	 	
Barium	ppm	o <1	 	
Boron	ppm	0 29	 	



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364 BRIGGS CROSS ROAD STILESVILLE, NB CA E1G 3G3 Contact: Blaine Cail blaine.cail@moderngroup.ca T: F:

Diagnosis

Resample at the next service interval to monitor.All component wear rates are normal. Tests indicate that there is no fuel present in the oil. There is no indication of any contamination 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.

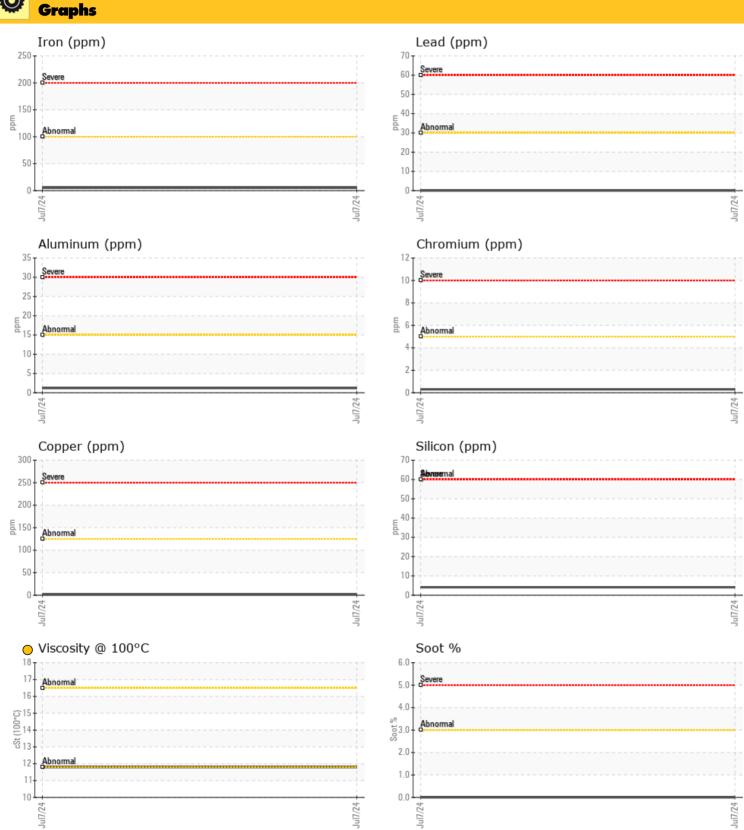
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Ď **CONSTRUCTION EQUIPMENT**



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Contact/Location: Blaine Cail - MODSTI Page 2 of 2