

[(369353)] LIEBHERR LH30M 136880-1253 - Diesel Engine

Sample No: LH0260668

Oil Type: PETRO CANADA 10W40

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SAMPLE INFORMATION

Sample Number		LH0260668	LH0226442			
Sample Date		27 Jul 2023	13 Feb 2023			
Machine Hours		3963	2833			
Oil Hours		0	0			
Oil Changed		Changed	Changed			
Sample Status		NORMAL	ABNORMAL			
Visc @ 100°C	cSt	0 13.1	0 13.1			
Oxidation (PA)	%	93	211			

CON	TAMIN	ΔΤΙΟΝ		
Soot %	%	0	$\bigcirc 0$	
Nitration (PA)	%	88	143	
Sulfation (PA)	%	68	108	
Glycol	%	NEG	0.0	
Fuel	%	<1.0	<1.0	
Silicon	ppm	08	07	
Sodium	ppm	0 2	0 4	
Potassium	ppm	() <1	0 2	

WEAR METALS

Iron	ppm	0 9	33	
Copper	ppm	0 19	0 155	
Lead	ppm	01	0 12	
Tin	ppm	○ <1	2	
Aluminum	ppm	01	3	
Chromium	ppm	○ <1	0 2	
Molybdenum	ppm	66	0 60	
Nickel	ppm	0 (0	
Titanium	ppm	0	<1	
Silver	ppm	0 (0	
Manganese	ppm	○ <1	0 1	
Vanadium	ppm	0	0	

ADDITIVES

Calcium	ppm	0 1359	0 1594	 	
Magnesium	ppm	0 789	690	 	
Zinc	ppm	0 1172	0 1025	 	
Phosphorus	ppm	0 1002	0 896	 	
Barium	ppm	0 2	21	 	
Boron	ppm	0 11	33	 	



West Coast Metal Recycling

5771 Production Way Langley, BC CA V3A 4N5 Contact: Terry . terry@gotmetal.ca T: F:

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.

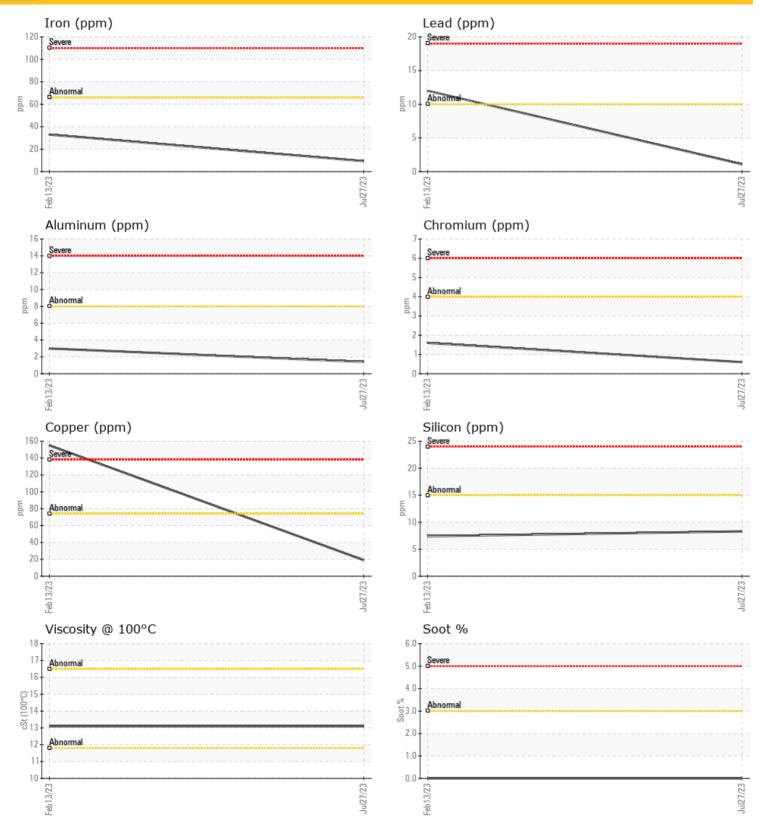
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GRAPHS

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