CONSTRUCTION EQUIPMENT

LIEBHERR LH50M 150728-1216 - Diesel Engine

PETRO CANADA DURON UHP E6 10W40

Sample No: LH0271874

Oil Type:

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Sample Information

Sample Number		LH0271874	LH0271865	LH0271862	
Sample Date		26 Apr 2024	09 Feb 2024	06 Nov 2023	
Machine Hours		1514	1066	500	
Oil Hours		0	0	0	
Oil Changed		Changed	Changed	Changed	
Sample Status		NORMAL	NORMAL	MARGINAL	
Oil Co	ondition				
Visc @ 100°C	cSt	13.1	0 12.7	◯ 11.9	
Oxidation (PA)	%	69	81	194	

Contamination					
Water	%	NEG	NEG	NEG	
Soot %	%	0	0	0	
Nitration (PA)	%	65	73	96	
Sulfation (PA)	%	56	60	107	
Glycol	%	NEG	0.0	NEG	
Fuel	%	<1.0	<1.0	0 2.5	
Silicon	ppm	6	5	8	
Sodium	ppm	0 2	0 2	02	
Potassium	ppm	0 2	0 1	2	

Wear Metals

		3			
Iron	ppm	3	04	8	
Copper	ppm	○ 70	0 319	262	
Lead	ppm	0 2	08	8	
Tin	ppm	0	○ <1	◯ <1	
Aluminum	ppm	○ <1	0 2	3	
Chromium	ppm	0	○ <1	◯ <1	
Molybdenum	ppm	5 9	57	0 46	
Nickel	ppm	0	○ <1	0	
Titanium	ppm	0	0	0	
Silver	ppm	0	0	◯ <1	
Manganese	ppm	○ <1	0	◯ <1	
Vanadium	ppm	0	0	0	

Additives						
Calcium	ppm	0 1054	0 1055	0 1296		
Magnesium	ppm	978	948	915		
Zinc	ppm	0 1189	0 1167	869		
Phosphorus	ppm	991	976	740		
Barium	ppm	○ <1	0 4	39		
Boron	ppm	01	0 4	68		



ABCNAN 5774601 Wes Davis 06 May 2024



ABC RECYCLING

750C JACKSON RD NANAIMO, BC CA V9X 1J2 Contact: Jordie Richmond jordie.richmond@abcrecycling.com T: (250)202-8235 F:

Diagnosis

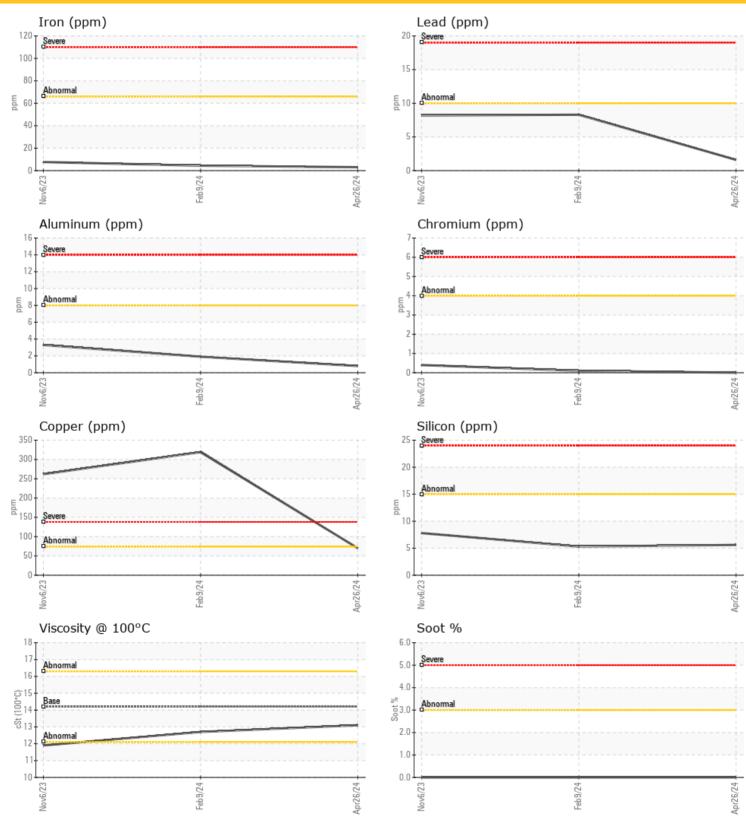
Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.





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Graphs



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