

LIEBHERR LH50M 145461-1216 - Diesel Engine

Sample No: LH0255604

Oil Type: NOT GIVEN

SAMPLE INFORMATION

Sample Number	LH0255604	LH0255601				
Sample Date	26 Jun 2023	04 May 2023				
Machine Hours	1086	537				
Oil Hours	0	0				
Oil Changed	N/A	Changed				
Sample Status	NORMAL	NORMAL				

OIL C	ONDITIO	N		
Visc @ 100°C	cSt	11.3	11.8	
Oxidation (PA)	%	92	200	
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CON	TAMIN/			
Soot %	%	0	0	
Nitration (PA)	%	68	104	
Sulfation (PA)	%	67	109	
Glycol	%	NEG	NEG	
Fuel	%	0 1.7	0 1.5	
Silicon	ppm	04	08	
Sodium	ppm	0 2	2	
Potassium	ppm	<mark></mark> <1	0 4	

WEAR METALS

Iron	ppm	05	0 11	
Copper	ppm	101	240	
Lead	ppm	03	8	
Tin	ppm	○ <1	○ <1	
Aluminum	ppm	○ <1	2	
Chromium	ppm	○ <1	○ <1	
Molybdenum	ppm	0 54	0 46	
Nickel	ppm	0 🔘	0	
Titanium	ppm	0	<1	
Silver	ppm	0 🔘	0	
Manganese	ppm	<1	1	
Vanadium	ppm	0	0	

ADDITIVES

Calcium	ppm	0 1058	0 1317			
Magnesium	ppm	938	924			
Zinc	ppm	0 1125	0 876			
Phosphorus	ppm	0 1004	○ 773			
Barium	ppm	6	0 30			
Boron	ppm	0 16	0 100			





GENERAL RECYCLING INDUSTRIES LTD. 4120 - 84 AVENUE EDMONTON, AB

CA T6B 3H3 Contact: Corey MacKay cmackay@trailco.ca T: (587)926-1610 F: (780)485-4294

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is SAE 30 Diesel Engine Oil. Please confirm the oil type and grade, and specify the brand of the oil on your next sample.All component wear rates are normal. Light fuel dilution occurring. No other contaminants were detected 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.

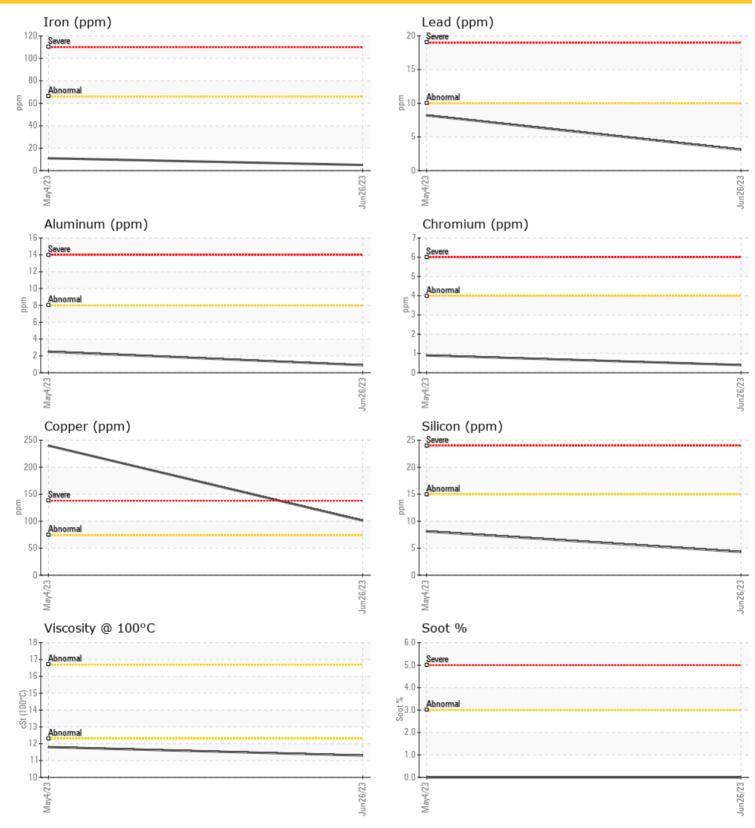
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GRAPHS

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