

LIEBHERR L556 069061-1826 - Diesel Engine

Sample No: LH0257330

Oil Type: DIESEL ENGINE OIL SAE 40

SAMPLE INFORMATION

Sample Number	LH0257330	LH0257283	LH0257286	
Sample Date	25 Jan 2024	24 May 2023	12 May 2023	
Machine Hours	4000	450	1010	
Oil Hours	0	0	0	
Oil Changed	N/A	Changed	Not Changd	
Sample Status	NORMAL	ABNORMAL	NORMAL	

OIL C	ONDIT	ION			
Visc @ 100°C	cSt	0 14.1	0 12.0	0 13.5	
Oxidation (PA)	%	62	208	79	
- 1					

Water	%	NEG	NEG	NEG		
Soot %	%	0	0	0		
Nitration (PA)	%	61	95	66		
Sulfation (PA)	%	51	111	58		
Glycol	%	NEG	NEG	NEG		
Fuel	%	<1.0	0.8	<1.0		
Silicon	ppm	5	0 10	07		
Sodium	ppm	○ <1	0 2	0 1		
Potassium	ppm	01	03	◯ <1		

 $\bigcirc 7$

 $\bigcirc 6$

 $\bigcirc <1$

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\odot **WEAR METALS** 3 Iron ppm 0 10 Copper ppm 01 0 406 Lead ppm ○ <1 0 11 Tin 0 (ppm Aluminum 01 ppm

Chromium	ppm	○ <1	○ <1	○ <1	
Molybdenum	ppm	5 7	0 45	57	
Nickel	ppm	○ <1	0	0 0	
Titanium	ppm	0	<1	○ <1	
Silver	ppm	0	0	0 0	
Manganese	ppm	0	1	○ <1	
Vanadium	ppm	0	0	0	

	TIVES				
Calcium	ppm	0 1057	0 1459	0 1126	
Magnesium	ppm	950	917	964	
Zinc	ppm	0 1177	843	0 1170	
Phosphorus	ppm	0 994	○ 779	0 1049	
Barium	ppm	0	0 31	04	
Boron	ppm	01	0 101	8	



PRO9STE 5720480 Wes Davis 26 Jan 2024



PRODUITS FORESTIERS D.G. LTEE 313 RANG ST-JOSEPH

STE-AURELIE, QC CA G0M 1M0 Contact: Roger .

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Diagnosis

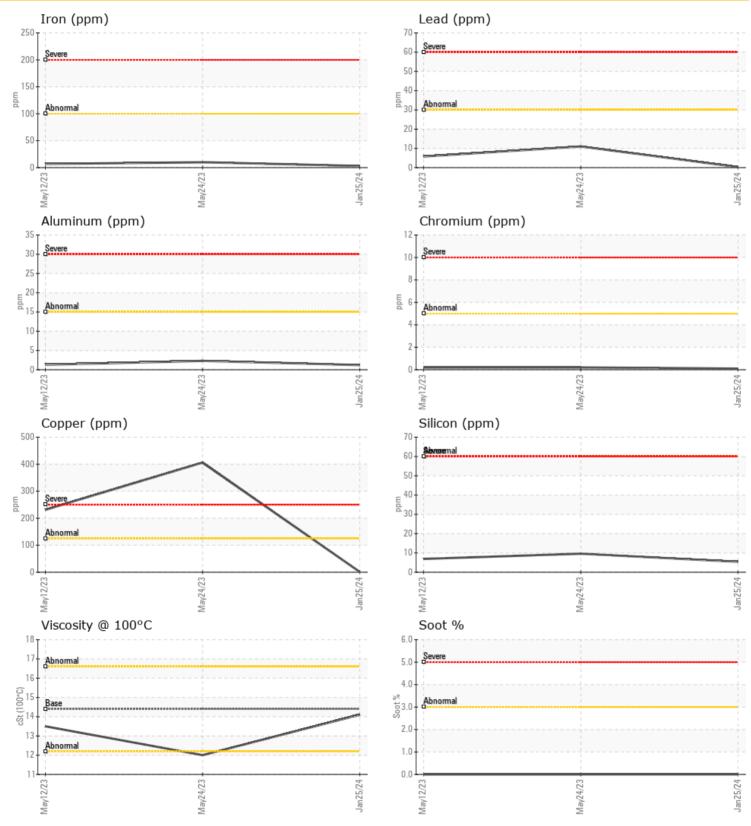
Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.





GRAPHS

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