

LIEBHERR PR766 024157-1681 - Diesel Engine

Sample No: LH0269726

Oil Type: DIESEL ENGINE OIL SAE 40

SAMPLE INFORMATION

Sample Number	LH0269726	LH0269746	
Sample Date	23 Oct 2023	04 Aug 2023	
Machine Hours	944	0	
Oil Hours	0	0	
Oil Changed	Not Changd	Not Changd	
Sample Status	ABNORMAL	SEVERE	

OIL C	ONDI	FION		
Visc @ 100°C	cSt	<u> </u>	13.8	
Oxidation (PA)	%	67	69	
- 1				

CON	TAMIN	ΔΤΙΟΝ		
Water	%	NEG	0.332	
Soot %	%	0	0	
Nitration (PA)	%	53	66	
Sulfation (PA)	%	55	57	
Glycol	%	NEG	0.0	
Fuel	%	0.7	<1.0	
Silicon	ppm	08	84	
Sodium	ppm	◯ 5	0 656	
Potassium	ppm	0 4	0 476	

WEAR METALS

Iron	ppm	08	0 128	
Copper	ppm	0 11	0 160	
Lead	ppm	01	0 35	
Tin	ppm	<mark>()</mark> <1	0 6	
Aluminum	ppm	01	0 36	
Chromium	ppm	0 (0 4	
Molybdenum	ppm	0 50	0 4	
Nickel	ppm	0 (○ <1	
Titanium	ppm	0	2	
Silver	ppm	○ <1	○ <1	
Manganese	ppm	○ <1	3	
Vanadium	ppm	0	<1	

ADDITIVES						
Calcium	ppm	088 (2027			
Magnesium	ppm	0 1073	0 117			
Zinc	ppm	0 1145	982			
Phosphorus	ppm	994	923			
Barium	ppm	07	0 1			
Boron	ppm	67	0 10			





5683846 Kevin Marson 28 Nov 2023

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NUTRIEN CORY POTASH 12KM WEST OF SASKATOON HWY #7 SASKATOON, SK CA S7K 3L6 Contact: Service Manager

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Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor.Metal levels are typical for a new component breaking in. Fuel content negligible. 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.

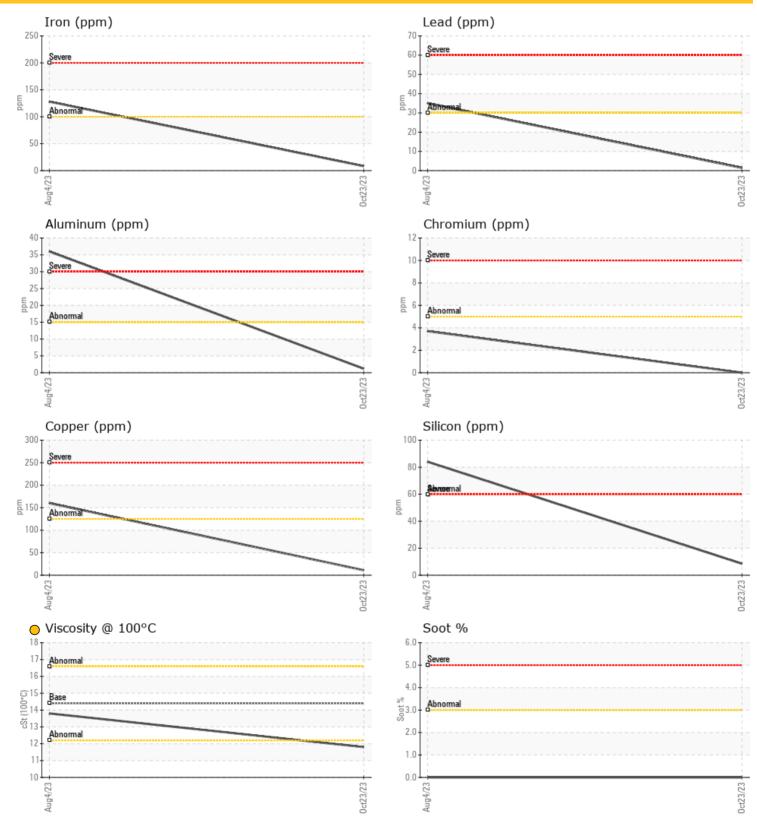


CONSTRUCTION EQUIPMENT



GRAPHS

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