

LIEBHERR LH50 147180 - Diesel Engine

Sample No: LH0287061

Oil Type: DIESEL ENGINE OIL SAE 40

Sample Information

Sample Number	LH0287061	LH0274809				
Sample Date	16 Apr 2024	04 Oct 2023				
Machine Hours	1460	512				
Oil Hours	0	0				
Oil Changed	Changed	N/A				
Sample Status	NORMAL	NORMAL				
Oil Condition						

Oil Co	ndition			
Visc @ 100°C	cSt	0 12.7	0 11.9	
Oxidation (PA)	%	98	214	

Contamination					
Water	%	NEG	NEG		
Soot %	%	0 ()	0		
Nitration (PA)	%	89	104		
Sulfation (PA)	%	66	114		
Glycol	%	NEG	NEG		
Fuel	%	<1.0	0 1.3		
Silicon	ppm	08	9		
Sodium	ppm	02	03		
Potassium	ppm	○ <1	2		

Wear Metals

w wee	ar mercus			
Iron	ppm	0 11	0 11	
Copper	ppm	0 37	0 138	
Lead	ppm	0 2	07	
Tin	ppm	○ <1	0 1	
Aluminum	ppm	02	0 4	
Chromium	ppm	○ <1	0 1	
Molybdenum	ppm	58	0 47	
Nickel	ppm	0 🔘	0 (
Titanium	ppm	0 🔘	0	
Silver	ppm	0 🔘	○ <1	
Manganese	ppm	◯ <1	<1	
Vanadium	ppm	0	0	

ves				
ppm	O 1104	1379		
ppm	977	922		
ppm	0 1099	826		
ppm	0 855	663		
ppm	04	36		
ppm	5	69		
r F	opm opm opm opm	opm 977 opm 1099 opm 855 opm 4	977 922 0pm 1099 826 0pm 855 663 0pm 4 36	977 922 0pm 1099 826 0pm 855 663 0pm 4 36



LIEBHERR CANADA LTD.

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Diagnosis

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) DIESEL ENGINE OIL SAE 40. Please confirm. 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.

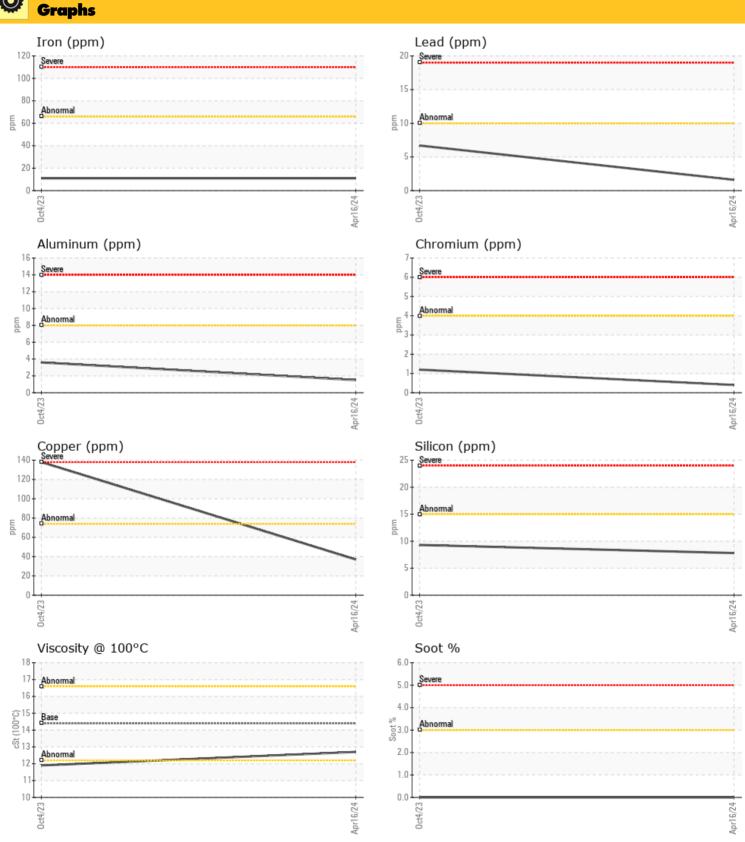
Depot:LIEMISUnique No:5762639Signed:Wes DavisReport Date:17 Apr 2024Contact/Location:Steve Lehto - LIEMIS

Report Id: LIEMIS [WCAMIS] 02629507 (Generated: 04/17/2024 14:44:05) Rev: 1

CONSTRUCTION EQUIPMENT



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Contact/Location: Steve Lehto - LIEMIS