LIEBHERR

CONSTRUCTION EQUIPMENT

LIEBHERR LH50M 113527-1216 - Diesel Engine

Sample No: LH0290627

Oil Type: PETRO CANADA SUPREME 5W30

ample Number		LH0290627	LH0274041	LH	
ample Date		13 Jun 2024	13 Mar 2024	13 Mar 2023	
Machine Hours		6512	6512	0	
Oil Hours		0	0	0	
Oil Changed		Changed	Changed	N/A	
Sample Status		NORMAL	NORMAL	ABNORMAL	
<u> </u>					
OH.C.	ondition				
Visc @ 100°C	cSt	11.7	O 11.7	O 12.7	
Oxidation (PA)	%	86	116	60	
-4					
Cont	aminati	on			
	aminati				
Water	%	NEG	NEG	NEG	
Water Soot %	%	NEG O	0	0	
Water Soot % Nitration (PA)	%	NEG			
Water Soot % Nitration (PA)	%	NEG O	0	0	
Water Soot % Nitration (PA) Sulfation (PA)	% %	NEG 0 90	0 112	O 0 52	
Water Soot % Nitration (PA) Sulfation (PA) Glycol	% % %	NEG	0 112 78	© 0 52 60	
Water Soot % Nitration (PA) Sulfation (PA) Glycol Fuel	% % % %	NEG 0 90 63 NEG	0 0 112 78 NEG	0 0 52 60 NEG	
Water	% % % % % % % %	NEG 0 90 63 NEG <1.0	0 0 112 78 NEG <1.0	0 52 60 NEG <1.0	

Codiditi	ppiii	U T			
Potassium	ppm	0 <1	○ 3	O 1	
(O) West	Metals				
Wedi	MCIUIS				
Iron	ppm	6	O 12	O 21	
Copper	ppm	5	O 15	O 17	
Lead	ppm	0	1	3	
Tin	ppm	0	O <1	O <1	
Aluminum	ppm	0 <1	O 2	4	
Chromium	ppm	0	O <1	O <1	
Molybdenum	ppm	55	O 62	○ 206	
Nickel	ppm	0	O <1	O <1	
Titanium	ppm	0	0	<1	
Silver	ppm	0	O <1	O 0	
Manganese	ppm	0	O 0	<1	
Vanadium	ppm	0	0	<1	

Additives								
ppm	813	931	O 1826					
ppm	1104	O 1074	O 523					
ppm	1169	O 1200	793					
ppm	977	O 1008	793					
ppm	0	O 0	O 0					
ppm	23	O 22	413					
	ppm ppm ppm ppm ppm	ppm	ppm 813 931 ppm 1104 1074 ppm 1169 1200 ppm 977 1008 ppm 0 0	ppm 813 931 1826 ppm 1104 1074 523 ppm 1169 1200 793 ppm 977 1008 793 ppm 0 0 0				



LIEBHERR CANADA LTEE 444 AVENUE DE LA FRICHE DOLBEAU-MISTASSINI, QC

CA G8L 3M7

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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.

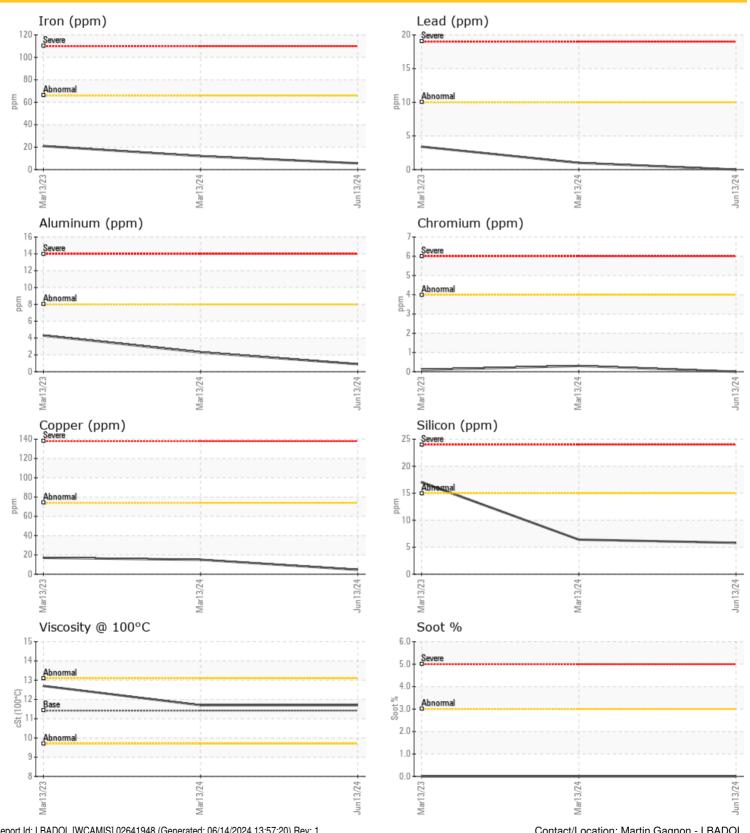
Depot:LBADOLUnique No:5799487Signed:Wes DavisReport Date:14 Jun 2024

CONSTRUCTION EQUIPMENT





Graphs



Report Id: LBADOL [WCAMIS] 02641948 (Generated: 06/14/2024 13:57:20) Rev: 1

Contact/Location: Martin Gagnon - LBADOL