LIEBHERR

CONSTRUCTION EQUIPMENT



[MAPLE SITE SOLUTIONS] LIEBHERR LB28 115540 - Diesel Engir

Sample No: LH0291204

Oil Type: PETRO CANADA 10W40

ple Info	rmation			
	LH0291204	LH0224694		
	04 May 2024	11 Jan 2023		
	12022	11268		
	0	0		
	Changed	Not Changd		
	NORMAL	SEVERE		
onditio	n			
cSt	13.7	5.7		
%	62	60		
aminati	ion			
%	NEG	NEG		
%	0.4	0.2		
%	65	73		
%	56	56		
%	NEG	NEG		
%	0.2	31.2		
ppm	4	O 6		
ppm	6	O 2		
ppm	() <1	O 1		
	cSt % cSt % cMinati % % % % % % % ppm ppm	04 May 2024 12022 0 Changed NORMAL Ondition CSt	LH0291204 LH0224694 04 May 2024 11 Jan 2023 12022 11268 0	LH0291204 LH0224694 04 May 2024 11 Jan 2023 12022 11268 Changed Not Changd NORMAL SEVERE NORMAL SEVERE NORMAL NEG NEG NEG NEG NEG NEG NEG NE

10				
Wea	r Metals			
Iron	ppm	28	O 27	
Copper	ppm	6	15	
Lead	ppm	2	5	
Tin	ppm	2	1	
Aluminum	ppm	3	12	
Chromium	ppm	2	02	
Molybdenum	ppm	57	○ 36	
Nickel	ppm	() <1	O <1	
Titanium	ppm	<1	<1	
Silver	ppm	0	0	
Manganese	ppm	0 <1	O <1	
Vanadium	ppm	0	0	

Add	litives			
Calcium	ppm	1260	O 1209	
Magnesium	ppm	927	○ 390	
Zinc	ppm	1239	○ 870	
Phosphorus	ppm	1014	O 793	
Barium	ppm	1	O 0	
Boron	ppm	13	O 41	



LIEBHERR CANADA LTD.

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Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor.All component wear rates are normal. Fuel content negligible. 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:5774919Signed:Wes DavisReport Date:08 May 2024

Contact/Location: Steve Lehto - LIEMIS

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Graphs

