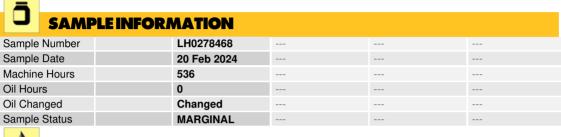
LIEBHERR

CONSTRUCTION EQUIPMENT

LIEBHERR LH40M 156305-1215 - Diesel Engine

Sample No: LH0278468
Oil Type: {unknown}



OIL CO	NOITION			
Visc @ 100°C	cSt	11.8	 	
Oxidation (PA)	%	213	 	

CONTAMINATION					
Water	%	NEG			
Soot %	%	0			
Nitration (PA)	%	105			
Sulfation (PA)	%	112			
Glycol	%	NEG			
Fuel	%	<u> </u>			
Silicon	ppm	7			
Sodium	ppm	2			
Potassium	ppm	3			

(O) WE	AR META	16		
W VV E	AK ME I A	LS		
Iron	ppm	10	 	
Copper	ppm	95	 	
Lead	ppm	6	 	
Tin	ppm	○ <1	 	
Aluminum	ppm	2	 	
Chromium	ppm	1	 	
Molybdenum	ppm	46	 	
Nickel	ppm	○ <1	 	
Titanium	ppm	0	 	
Silver	ppm	0	 	
Manganese	ppm	<1	 	
Vanadium	ppm	0	 	

ADDITIVES						
Calcium	ppm	1355				
Magnesium	ppm	910				
Zinc	ppm	780				
Phosphorus	ppm	671				
Barium	ppm	29				
Boron	ppm	100				



Urban Mine
72 Rothwell Rd.
Winnipeg, MB
CA R3P 2H7
Contact: SERVICE

T: (204)774-0192 F:

Diagnosis

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. No other corrective action is recommended at this time. The fluid was not specified, however, a fluid match indicates that this fluid is SAE 30 Diesel Engine Oil. Please confirm the oil type and grade, and specify the brand of the oil on your next sample.Metal levels are typical for a new component breaking in. Light fuel dilution occurring. No other contaminants were detected 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.

Depot:URBWINUnique No:5734484Signed:Kevin MarsonReport Date:23 Feb 2024

Submitted By: Vincent Blanchette

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GRAPHS

