

LIEBHERR LH60M 147037-1217 - Diesel Engine

74

Sample No: LH0271328

Oil Type: PETRO CANADA 10W40

SAMPLE INFORMATION

Sample Number		LH0271328	LH0271325				
Sample Date		31 Oct 2023	28 Sep 2023				
Machine Hours		1062	717				
Oil Hours		0	0				
Oil Changed		Changed	Changed				
Sample Status		NORMAL	ABNORMAL				
OIL CONDITION							
Visc @ 100°C	cSt	13.3	0 11.5				

Visc @ 100°C Oxidation (PA)

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Soot %	%	0	0		
Nitration (PA)	%	63	110		
Sulfation (PA)	%	57	117		
Glycol	%	NEG	NEG		
Fuel	%	<1.0	2.3		
Silicon	ppm	8	09		
Sodium	ppm	02	3		
Potassium	ppm	<mark>()</mark> <1	02		

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WEAR METALS

%

Iron	ppm	04	0 16	
Copper	ppm	0 25	266	
Lead	ppm	01	0 15	
Tin	ppm	<mark></mark> <1	01	
Aluminum	ppm	01	0 4	
Chromium	ppm	<mark></mark> <1	0 2	
Molybdenum	ppm	57	0 46	
Nickel	ppm	<mark></mark> <1	○ <1	
Titanium	ppm	0	0	
Silver	ppm	<mark></mark> <1	○ <1	
Manganese	ppm	0 (0 1	
Vanadium	ppm	0	0	

ADDITIVES

Calcium	ppm	0 1066	0 1364	 	
Magnesium	ppm	948	920	 	
Zinc	ppm	0 1168	838	 	
Phosphorus	ppm	966	672	 	
Barium	ppm	0 4	42	 	
Boron	ppm	0 4	58	 	





STELLA JONES INC

25 BRAID ST NEW WESTMINSTER, BC CA V3L 3P2 Contact: Richard Vogel rvogel@stella-jones.com T: (604)999-9220 F: (604)526-8597

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.

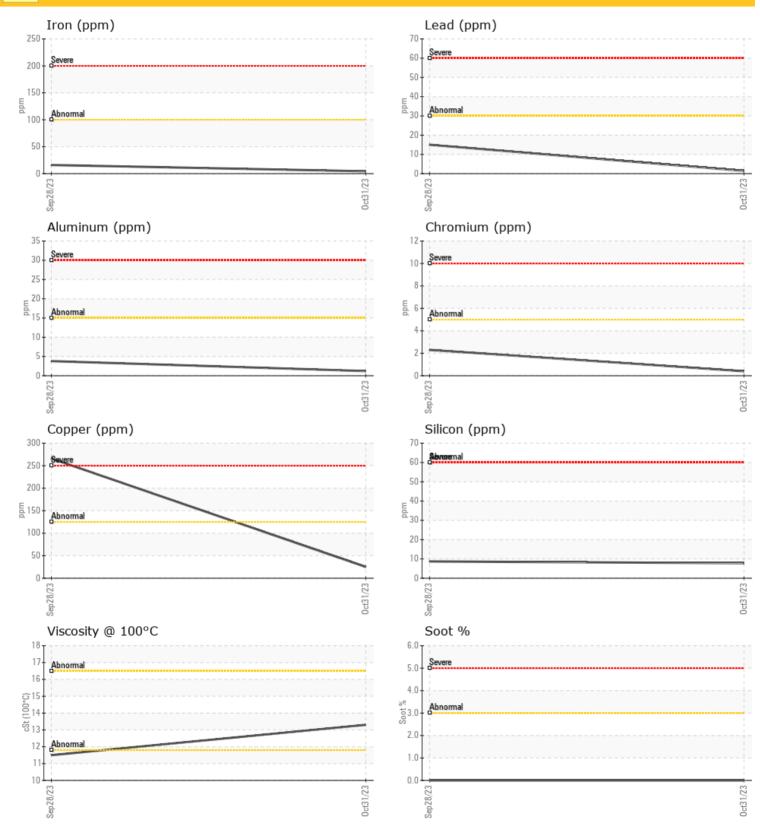
Depot: Unique No: Signed: Report Date: STE25NEW 5671243 Kevin Marson 06 Nov 2023





GRAPHS

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