



LIEBHERR L586 21066 - Front Left Wheel Hub

94.1

Sample No: LH0186873

Oil Type: GEAR OIL SAE 80

SAMPLE INFORMATION

Sample Number	LH0186873	LH0162859	
Sample Date	06 Jul 2023	09 May 2022	
Machine Hours	18165	0	
Oil Hours	0	0	
Oil Changed	Changed	N/A	
Sample Status	NORMAL	NORMAL	

OIL CONDITION

Visc @ 40°C

cSt

Silicon	ppm	04	◯ 5		
Sodium	ppm	01	0 2		
Potassium	ppm	○ <1	2		

86.9

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WE/	AR META	LS		
PQ			◯ 54	
Iron	ppm	647	923	
Copper	ppm	06	8	
Lead	ppm	01	01	
Tin	ppm	0 🔘	○ <1	
Aluminum	ppm	01	01	
Chromium	ppm	01	2	
Molybdenum	ppm	◯ <1	○ <1	
Nickel	ppm	◯ <1	○ <1	
Titanium	ppm	0	0	
Silver	ppm	0	0	
Manganese	ppm	06	09	
Vanadium	ppm	0	0	

0

ADD	ITIVES			
Calcium	ppm	3 3	09	
Magnesium	ppm	0 2	○ <1	
Zinc	ppm	0 14	0 10	
Phosphorus	ppm	0 1208	0 1477	
Barium	ppm	0	0	
Boron	ppm	0 127	0 197	



CLOUTHIER VENTURES LTD.

59 MATTHEWS STREET, R.R. # 5 PEMBROKE, ON CA K8A 0A6 Contact: Travis Bennett tbennett@clouthierconst.com T: (613)735-6531 F: (613)735-2769

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. Viscosity of sample indicates oil is within SAE 75W90 range, advise investigate. The condition of the oil is acceptable for the time in service.

Depot:	CLOPEM
Unique No:	5607267
Signed:	Wes Davis
Report Date:	14 Jul 2023

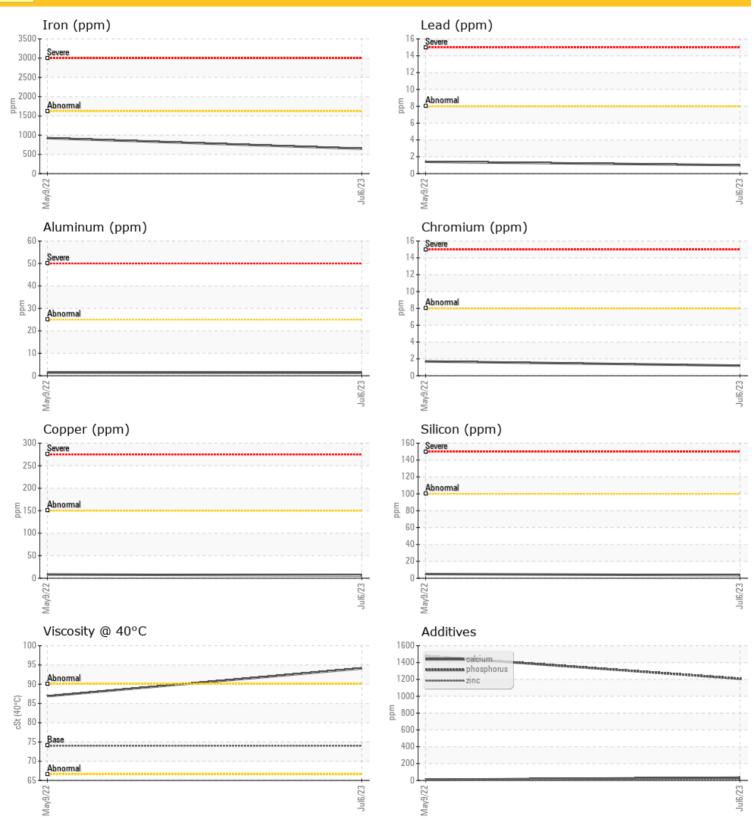
Contact/Location: Travis Bennett - CLOPEM





GRAPHS

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