



LIEBHERR L580 067666-1760 - Front Left Wheel Hub

Sample No: LH0233940

Oil Type: GEAR OIL SAE 75W90

SAMPLE INFORMATION

Sample Number		LH0233940	LH0233995			
Sample Date		22 Jan 2024	15 Dec 2022			
Machine Hours		5478	1018			
Oil Hours		0	0			
Oil Changed		Changed	Changed			
Sample Status		ABNORMAL	NORMAL			
OIL CONDITION						
Visc @ 40°C	cSt	75.0	193			

CONTAMINATION Water % NEG NEG Silicon 0 27 ppm 05 8 🔾 Sodium 05 ppm Potassium ppm 01 $\bigcirc 2$

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WEA	R METAL	S		
			0.040	
Iron	ppm	130	242	
Copper	ppm	150	0 179	
Lead	ppm	04	0 4	
Tin	ppm	10	0 12	
Aluminum	ppm	<mark></mark> <1	03	
Chromium	ppm	<mark></mark> <1	0 2	
Molybdenum	ppm	0	○ <1	
Nickel	ppm	<mark></mark> <1	0 2	
Titanium	ppm	0	<1	
Silver	ppm	0	0	
Manganese	ppm	() <1	53	
Vanadium	ppm	0	<1	

ADDITIVES						
Calcium	ppm	511	0 11			
Magnesium	ppm	5	0 2			
Zinc	ppm	230	154			
Phosphorus	ppm	0 1040	2269			
Barium	ppm	8 🔘	0			
Boron	ppm	0 128	0 2			



WEST CARLETON SAND & GRAVEL INC.

3232 CARP ROAD CARP, ON CA K0A 1L0 Contact: Troy Whalen twhalen@acon.com T: (613)836-3090 F:

Diagnosis

We advise that you check for visible metal particles in the oil. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition.Light concentration of visible metal present. Bearing and/or bushing wear is indicated. There is no indication of any contamination in the oil. Viscosity of sample indicates oil is within SAE 80 range, advise investigate. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Depot: W Unique No: 57 Signed: Ke Report Date: 09

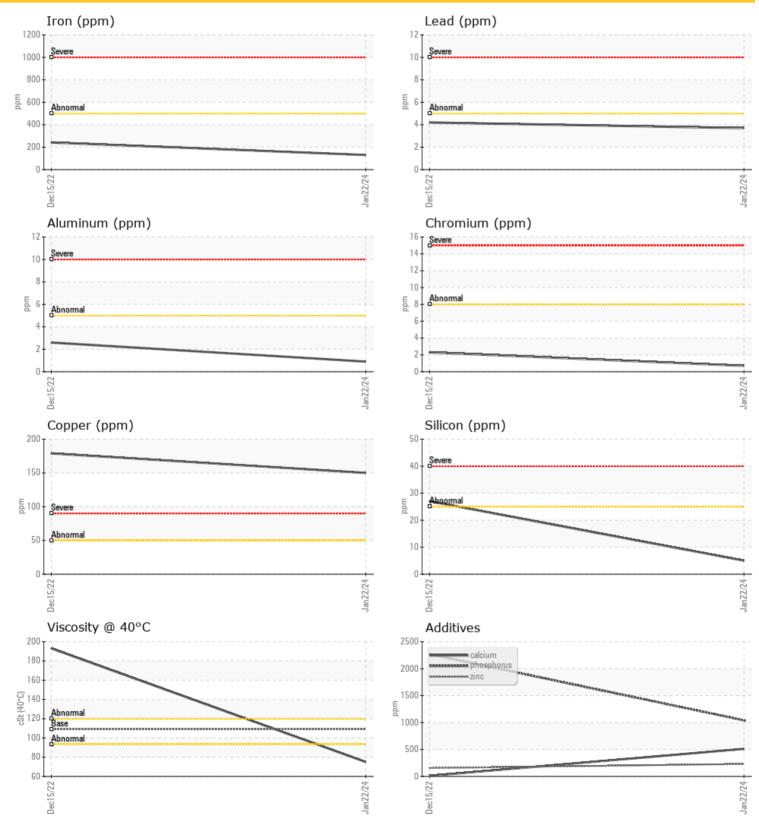
WES654STI 5723204 Kevin Marson 09 Feb 2024





GRAPHS

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