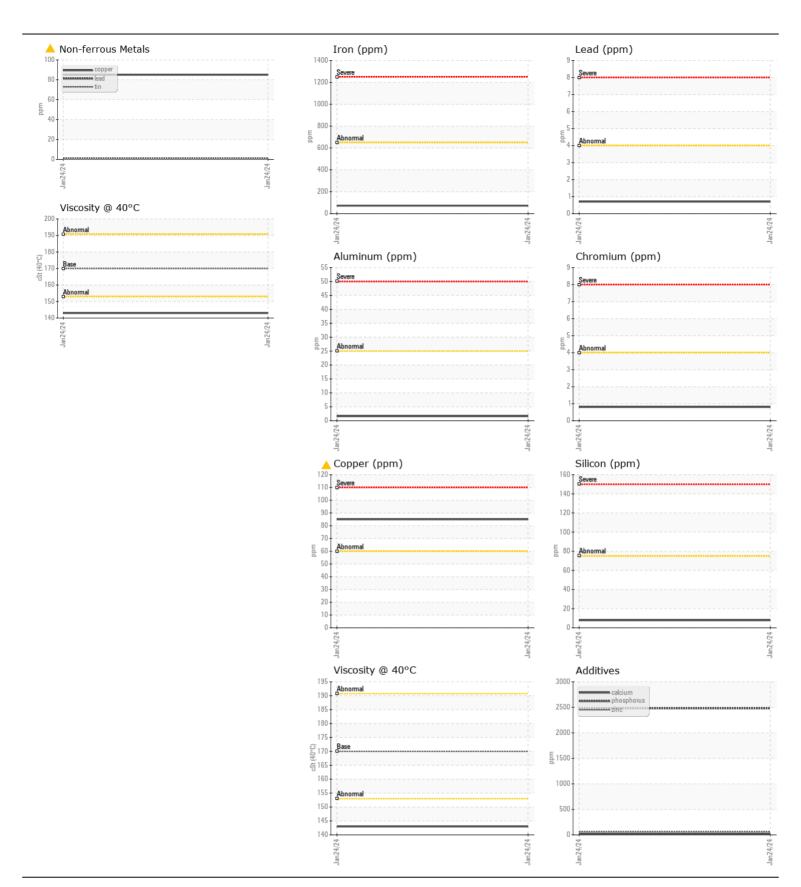
WEAR CONTAMINATION **FLUID CONDITION** **ABNORMAL** NORMAL **NORMAL**



LIEBHERR LH60M 1217-146314

Rear Right Wheel Hub Fluid LIEBHERR GEAR BASIC 90 LS	6 (GAL)				.,		
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
The oil change at the time of sampling has been noted. Resample at the next service interval to monitor.	Sample Number		Client Info		LH0286185		
	Sample Date		Client Info		24 Jan 2024		
	Machine Age	hrs	Client Info		2000		
	Oil Age	hrs	Client Info		0		
	Filter Age	hrs	Client Info		0		
	Oil Changed		Client Info		Changed		
	Filter Changed		Client Info		None		
	Sample Status				ABNORMAL		
WEAR	Iron	ppm	ASTM D5185m	>650	72		
The copper level is abnormal. All other component wear rates are normal.	Chromium	ppm	ASTM D5185m	>4	<1		
	Nickel	ppm	ASTM D5185m	>4	<1		
	Titanium	ppm	ASTM D5185m	>4	<1		
	Silver	ppm	ASTM D5185m		0		
	Aluminum	ppm	ASTM D5185m	>25	2		
	Lead	ppm	ASTM D5185m	>4	<1		
	Copper	ppm	ASTM D5185m	>60	<u>▲</u> 85		
	Tin	ppm	ASTM D5185m	>4	<1		
	Vanadium	ppm	ASTM D5185m		0		
	White Metal	scalar	*Visual	NONE	NONE		
	Yellow Metal	scalar	*Visual	NONE	NONE		
CONTAMINATION	Silicon	ppm	ASTM D5185m	>75	8		
There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m	>20	1		
	Water		WC Method	>0.2	NEG		
	Silt	scalar	*Visual	NONE	NONE		
	Debris	scalar	*Visual	NONE	NONE		
	Sand/Dirt	scalar	*Visual	NONE	NONE		
	Appearance	scalar	*Visual	NORML	NORML		
	Odor	scalar	*Visual	NORML	NORML		
	Emulsified Water	scalar	*Visual	>0.2	NEG		
FLUID CONDITION	Sodium	ppm	ASTM D5185m		8		
The condition of the oil is acceptable for the time in service.	Boron	ppm	ASTM D5185m	0	208		
	Barium	ppm	ASTM D5185m	0	25		
	Molybdenum	ppm	ASTM D5185m	0	<1		
	Manganese	ppm	ASTM D5185m		2		
	Magnesium	ppm	ASTM D5185m		2		
	Calcium	ppm	ASTM D5185m		23		
	Phosphorus	ppm	ASTM D5185m		2479		
	Zinc	ppm	ASTM D5185m		64		
	Sulfur	ppm	ASTM D5185m		46836		
	Visc @ 40°C	cSt	ASTM D445	170	143		





Certificate L2367

Laboratory Sample No.

: LH0286185 Lab Number : 06121786 Unique Number: 10935937 Test Package : MOBCE

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 18 Mar 2024 : 19 Mar 2024

Tested : 21 Mar 2024 - Jonathan Hester Diagnosed

C AND B EQUIPMENT, LLC

4831 US-42 GHENT, KY US 41045

Contact: Service Manager

To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

T:

F: