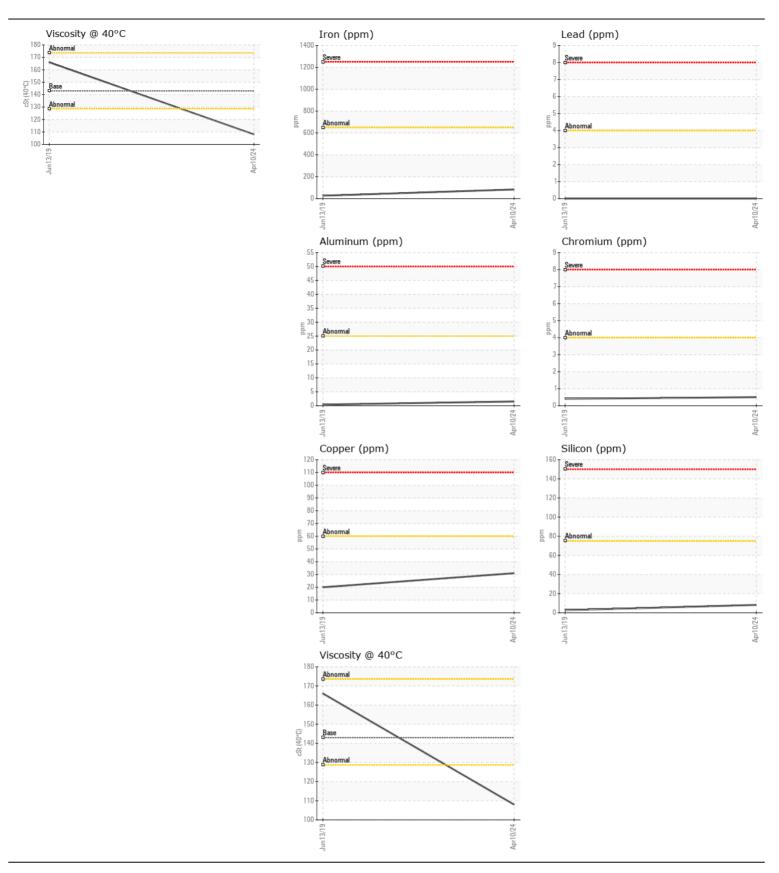
WEAR CONTAMINATION **FLUID CONDITION** **NORMAL NORMAL NORMAL**



Machine Id LIEBHERR LH60M 1217-94975

Rear Left Wheel Hub

GEAR OIL SAE 80W90 (GAL)						
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor.	Sample Number		Client Info		LHMC166763	LHMC119722	
	Sample Date		Client Info		10 Apr 2024	13 Jun 2019	
	Machine Age	hrs	Client Info		8268	5269	
	Oil Age	hrs	Client Info		0	0	
	Filter Age	hrs	Client Info		0	0	
	Oil Changed		Client Info		Changed	N/A	
	Filter Changed		Client Info		N/A	N/A	
	Sample Status				NORMAL	ABNORMAL	
WEAR	Iron	ppm	ASTM D5185m	>650	83	26	
All component wear rates are normal.	Chromium	ppm	ASTM D5185m	>4	<1	<1	
	Nickel	ppm	ASTM D5185m	>4	0	1	
	Titanium	ppm	ASTM D5185m	>4	<1	0	
	Silver	ppm	ASTM D5185m		0	0	
	Aluminum	ppm	ASTM D5185m	>25	2	<1	
	Lead	ppm	ASTM D5185m	>4	0	0	
	Copper	ppm	ASTM D5185m	>60	31	20	
	Tin	ppm	ASTM D5185m	>4	<1	0	
	Vanadium	ppm	ASTM D5185m		0	<1	
	White Metal	scalar	*Visual	NONE	NONE	NONE	
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
CONTAMINATION	Silicon	nnm	ASTM D5185m	~ 75	8	3	
	Potassium	ppm	ASTM D5185m		9	10	
There is no indication of any contamination in the oil.	Water	ррпп	WC Method	>0.2	NEG	NEG	
	Silt	scalar	*Visual	NONE	NONE	NONE	
	Debris	scalar	*Visual	NONE	NONE	▲ MODER	
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	
	Appearance	scalar	*Visual	NORML	NORML	NORML	
	Odor	scalar	*Visual	NORML	NORML	NORML	
	Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	
FLUID CONDITION	Sodium	ppm	ASTM D5185m	>170	<1	1	
The condition of the oil is acceptable for the time in service.	Boron	ppm	ASTM D5185m		155	3	
The condition of the oil is acceptable for the time in service.	Barium	ppm	ASTM D5185m		4	40	
	Molybdenum	ppm	ASTM D5185m	12	8	3	
	Manganese	ppm	ASTM D5185m		<1	<1	
	Magnesium	ppm	ASTM D5185m	12	87	9	
	Calcium	ppm	ASTM D5185m	150	604	30	
	Phosphorus	ppm	ASTM D5185m	1650	1275	391	
	Zinc	ppm	ASTM D5185m	125	318	40	
	Sulfur	ppm	ASTM D5185m	22500	19387	11632	
	Visc @ 40°C	cSt	ASTM D445	143	108	166	
D AMELAD BUULOOADI AAAFAAAA (O AAAAAAAAA AAAAA OO AAAA D					055105		





Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513

: LHMC166763 Lab Number : 06151341 Unique Number: 10981419

Received : 16 Apr 2024 **Tested** Diagnosed

: 19 Apr 2024 : 19 Apr 2024 - Sean Felton

138 HWY 3217 LAPLACE, LA US 70068 Contact: SERVICE MANAGER

AMERICAN STATE EQUIPMENT CO. (RENTAL TO ARCELOR MITTAL)

Test Package : MOB 1 (Additional Tests: PQ) Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369.

T: (414)541-8700 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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

Report Id: AMELAP [WUSCAR] 06151341 (Generated: 04/19/2024 23:20:09) Rev: 1

Contact/Location: SERVICE MANAGER - AMELAP

F: