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

**NORMAL NORMAL NORMAL** 

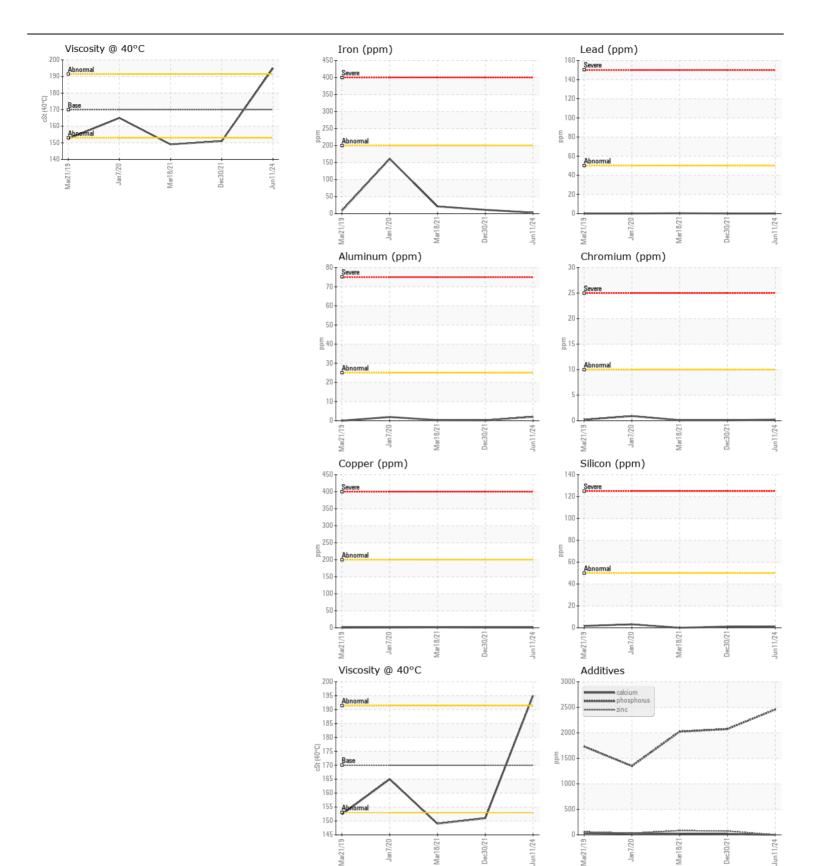


## AMR-12th Street

## 339324 LIEBHERR LH60 1204-86896

Gearbox

LIEBHERR GEAR BASIC 90 LS	(3 GAL)						
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor.	Sample Number		Client Info		DJJ0013946	DJJ0010801	DJJ0003369
	Sample Date		Client Info		11 Jun 2024	30 Dec 2021	18 Mar 2021
	Machine Age	hrs	Client Info		15501	12001	10506
	Oil Age	hrs	Client Info		250	250	250
	Filter Age	hrs	Client Info		0	0	0
	Oil Changed		Client Info		Changed	Changed	Changed
	Filter Changed		Client Info		N/A	N/A	N/A
	Sample Status				NORMAL	NORMAL	NORMAL
WEAR	Iron	ppm	ASTM D5185m	>200	3	11	21
All component wear rates are normal.	Chromium	ppm	ASTM D5185m	>10	<1	<1	<1
	Nickel	ppm	ASTM D5185m	>10	0	0	0
	Titanium	ppm	ASTM D5185m		0	0	0
	Silver	ppm	ASTM D5185m		0	0	2
	Aluminum	ppm	ASTM D5185m	>25	2	<1	<1
	Lead	ppm	ASTM D5185m	>50	0	0	<1
	Copper	ppm	ASTM D5185m	>200	<1	<1	2
	Tin	ppm	ASTM D5185m	>10	0	<1	0
	Vanadium	ppm	ASTM D5185m		0	0	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m	>50	<1	1	0
There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m	>20	<1	<1	1
	Water		WC Method	>0.2	NEG	NEG	NEG
	Silt	scalar	*Visual	NONE	NONE	NONE	NONE
	Debris	scalar	*Visual	NONE	NONE	NONE	NONE
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
	Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
	Odor	scalar	*Visual	NORML	NORML	NORML	NORML
	Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
FLUID CONDITION	Sodium	ppm	ASTM D5185m		0	2	3
The condition of the oil is acceptable for the time in service.	Boron	ppm	ASTM D5185m	0	1	28	15
	Barium	ppm	ASTM D5185m	0	0	0	0
	Molybdenum	ppm	ASTM D5185m	0	0	0	0
	Manganese	ppm	ASTM D5185m	0	0	<1	<1
	Magnesium	ppm	ASTM D5185m	<1	1	<1	1
	Calcium	ppm	ASTM D5185m		0	20	25
	Phosphorus	ppm	ASTM D5185m		2455	2073	2023
	Zinc	ppm	ASTM D5185m		0	75	82
	Sulfur	ppm	ASTM D5185m		26105	25056	20722
	Visc @ 40°C	cSt	ASTM D445	170	195	151	149





Certificate L2367

Laboratory Sample No.

: DJJ0013946 Lab Number : 06216156 Unique Number : 11089020 Test Package : MOBCE

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 20 Jun 2024 **Tested** : 21 Jun 2024

: 23 Jun 2024 - Don Baldridge Diagnosed

**ADVANTAGE METALS RECYCLING - 12 STREET** 

1153 S. 12TH STREET KANSAS CITY, KS

US 66105 Contact: JOHN PEEK

john.peek@advantagerecycling.com

T: (660)424-9134 F: (913)621-2766

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)