WEAR CONTAMINATION **FLUID CONDITION**

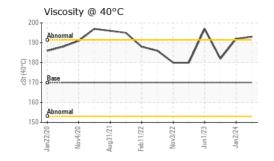
NORMAL NORMAL NORMAL

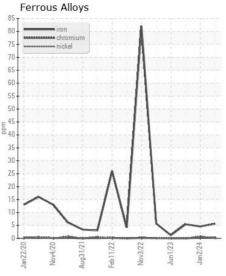
AMR-12th Street

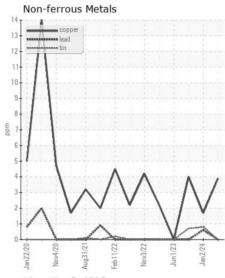
484145 116360

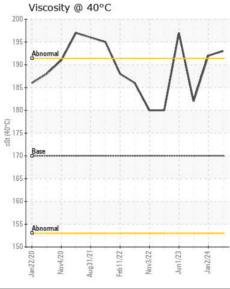
Rear Right Wheel Hub

LIEBHERR GEAR BASIC 90 LS (GAL)							
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor. Please specify the component make and model with your next sample.	Sample Number		Client Info		DJJ0023295	DJJ0013866	DJJ0018354
	Sample Date		Client Info		14 Jun 2024	02 Jan 2024	21 Sep 2023
	Machine Age	hrs	Client Info		9959	9493	9001
	Oil Age	hrs	Client Info		500	0	0
	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	>500	6	5	5
All component wear rates are normal.	Chromium	ppm	ASTM D5185m	>8	<1	<1	0
	Nickel	ppm	ASTM D5185m	>5	0	<1	0
	Titanium	ppm	ASTM D5185m		0	<1	0
	Silver	ppm	ASTM D5185m		0	0	0
	Aluminum	ppm	ASTM D5185m	>5	2	2	0
	Lead	ppm	ASTM D5185m	>5	0	<1	0
	Copper	ppm	ASTM D5185m	>50	4	2	4
	Tin	ppm	ASTM D5185m		0	<1	<1
	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	>25	2	1	<1
There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m	>20	<1	<1	3
	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	0	4
The condition of the oil is acceptable for the time in service.	Boron	ppm	ASTM D5185m	0	2	0	0
	Barium	ppm	ASTM D5185m	0	0	0	0
	Molybdenum	ppm	ASTM D5185m	0	0	<1	0
	Manganese	ppm	ASTM D5185m	0	0	<1	0
	Magnesium	ppm	ASTM D5185m	<1	1	0	5
	Calcium	ppm	ASTM D5185m		69	8	22
	Phosphorus	ppm	ASTM D5185m		2444	2363	2387
	Zinc	ppm	ASTM D5185m		29	0	12
	Sulfur	ppm	ASTM D5185m		27849	35129	30105
Papart Id. ADVIVANII LI IMI ISCADI 06916191 (Caparatad: 06/99/909/ 05:99:94) Pay: 1	Visc @ 40°C	cSt	ASTM D445		193	192	182











Certificate L2367

Laboratory Sample No.

Test Package : CONST

: DJJ0023295 Lab Number : 06216131 Unique Number: 11088995

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

: 21 Jun 2024 - Wes Davis

ADVANTAGE METALS RECYCLING - 12 STREET 1153 S. 12TH STREET

KANSAS CITY, KS US 66105

Contact: JOHN PEEK john.peek@advantagerecycling.com

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.

T: (660)424-9134 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F: (913)621-2766