

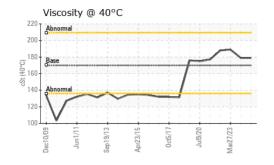
**WEAR** CONTAMINATION **FLUID CONDITION**  **NORMAL NORMAL NORMAL** 

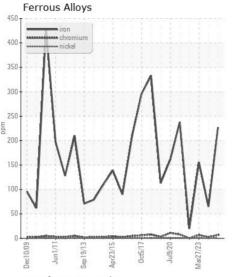


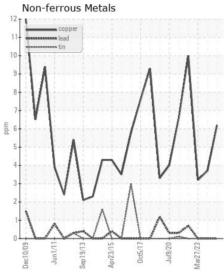
## AMR-12th Street [FORT SCOTT] 23636 LIEBHERR R924 025202-1066

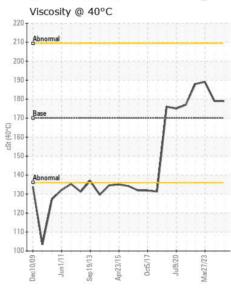
Right Final Drive

LIEBHERR GEAR BASIC 90 LS	S (2 GAL)				.,		
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor.	Sample Number		Client Info		DJJ0017229	DJJ0017272	DJJ0017260
	Sample Date		Client Info		20 May 2024	06 Nov 2023	27 Mar 2023
	Machine Age	hrs	Client Info		12691	12142	11581
	Oil Age	hrs	Client Info		0	500	1000
	Filter Age	hrs	Client Info		0	0	0
	Oil Changed		Client Info		Changed	Not Changd	Changed
	Filter Changed		Client Info		N/A	N/A	N/A
	Sample Status				NORMAL	NORMAL	NORMAL
WEAR	Iron	ppm	ASTM D5185m	>1525	227	65	156
All component wear rates are normal.	Chromium	ppm	ASTM D5185m	>25	7	2	7
	Nickel	ppm	ASTM D5185m	>5	<1	0	<1
	Titanium	ppm	ASTM D5185m	>8	2	<1	<1
	Silver	ppm	ASTM D5185m		0	0	0
	Aluminum	ppm	ASTM D5185m	>90	42	4	9
	Lead	ppm	ASTM D5185m	>8	0	0	0
	Copper	ppm	ASTM D5185m	>85	6	4	3
	Tin	ppm	ASTM D5185m	>5	0	0	0
	Vanadium	ppm	ASTM D5185m		<1	0	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m	>460	143	14	38
There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m	>20	9	1	2
	Water		WC Method	>0.2	NEG	NEG	NEG
	Silt	scalar	*Visual	NONE	NONE	NONE	NONE
	Debris	scalar	*Visual	NONE	NONE	LIGHT	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		4	2	2
The condition of the oil is acceptable for the time in service.	Boron	ppm	ASTM D5185m	0	19	17	36
	Barium	ppm	ASTM D5185m	0	<1	0	0
	Molybdenum	ppm	ASTM D5185m	0	2	0	0
	Manganese	ppm	ASTM D5185m	0	3	<1	2
	Magnesium	ppm	ASTM D5185m	<1	8	0	5
	Calcium	ppm	ASTM D5185m	<1	199	2	79
	Phosphorus	ppm	ASTM D5185m	2143	2461	2240	2349
	Zinc	ppm	ASTM D5185m	<1	18	0	26
	Sulfur	ppm	ASTM D5185m	23468	37850	31805	25056
	Visc @ 40°C	cSt	ASTM D445	170	179	179	189
Report Id: ADVKANI H [WLISCAR] 06190827 (Generated: 05/28/2024 14:53:47) Rev: 1			(	Contact/L	ocation: JOI	HNI DEEK - A	DVKANI H











Certificate L2367

Report Id: ADVKANLH [WUSCAR] 06190827 (Generated: 05/28/2024 14:53:49) Rev: 1

Laboratory Sample No.

Lab Number : 06190827 Unique Number : 11047579

Test Package : CONST

: DJJ0017229

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 24 May 2024 **Tested** : 28 May 2024

Diagnosed

: 28 May 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