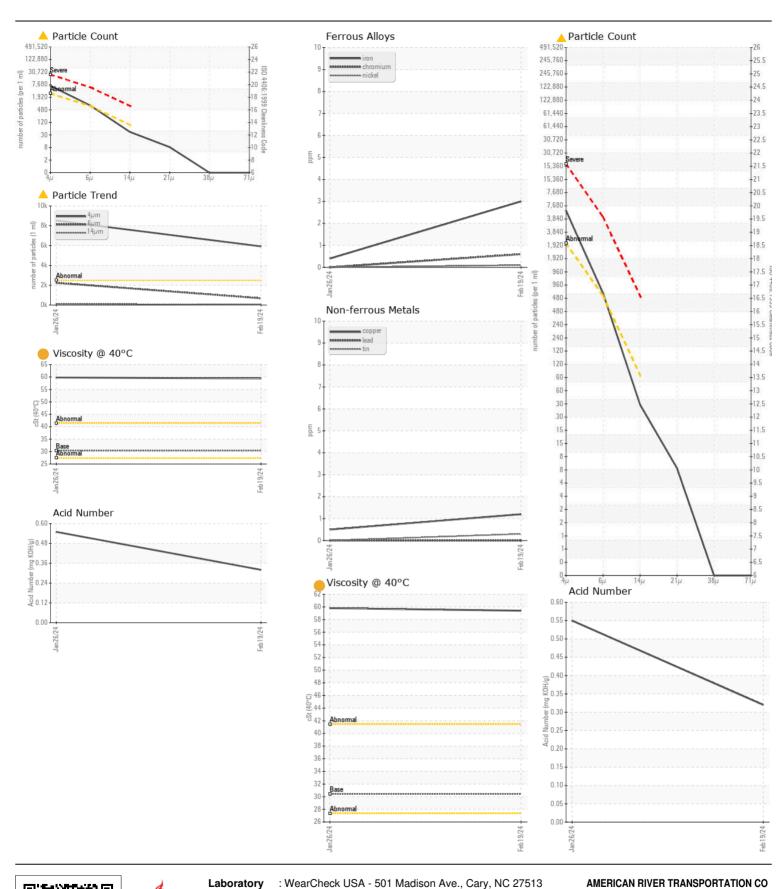
**WEAR** CONTAMINATION **FLUID CONDITION** 

NORMAL **ABNORMAL ATTENTION** 

## **LOUISIANA TRANSPORTER**

Component Starboard Steering

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
No corrective action is recommended at this time. Resample at the next service interval to monitor.	Sample Number		Client Info		MW0057242	MW0042841	
	Sample Date		Client Info		19 Feb 2024	26 Jan 2024	
	Machine Age	hrs	Client Info		0	0	
	Oil Age	hrs	Client Info		0	0	
	Filter Age	hrs	Client Info		0	0	
	Oil Changed		Client Info		Not Changd	N/A	
	Filter Changed		Client Info		N/A	N/A	
	Sample Status				ABNORMAL	ABNORMAL	
VEAR	Iron	ppm	ASTM D5185m	>50	3	<1	
	Chromium	ppm	ASTM D5185m		<1	0	
All component wear rates are normal.	Nickel	ppm	ASTM D5185m		<1	0	
	Titanium	ppm	ASTM D5185m		<1	0	
	Silver	ppm	ASTM D5185m		0	0	
	Aluminum	ppm	ASTM D5185m	>5	<1	0	
	Lead	ppm	ASTM D5185m		0	0	
	Copper	ppm	ASTM D5185m		1	<1	
	Tin		ASTM D5185m		- <1	0	
	Vanadium	ppm	ASTM D5185m	/5	0	0	
	White Metal	ppm scalar	*Visual	NONE	NONE	NONE	
	Yellow Metal		*Visual	NONE	NONE	NONE	
<u></u>		scalar	visuai	NONE	INONE	INONE	
CONTAMINATION	Silicon	ppm	ASTM D5185m	>15	2	9	
	Potassium	ppm	ASTM D5185m	>20	<1	0	
There is a high amount of silt (particulates < 14 microns in size) present in the fluid.	Water		WC Method	>0.2	NEG	NEG	
	Particles >4µm		ASTM D7647	>2500	<u></u> 5917	<u></u> 8525	
	Particles >6µm		ASTM D7647	>640	682	<u> </u>	
	Particles >14µm		ASTM D7647	>80	37	<u></u> 122	
	Particles >21μm		ASTM D7647	>20	7	<u> </u>	
	Particles >38µm		ASTM D7647		0	1	
	Particles >71µm		ASTM D7647		0	0	
	Oil Cleanliness				<u>^</u> 20/17/12	<u>^</u> 20/18/14	
	Silt	scalar	*Visual	NONE	NONE	NONE	
	Debris	scalar	*Visual	NONE	NONE	NONE	
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	
	Appearance	scalar	*Visual	NORML	NORML	NORML	
	Odor	scalar	*Visual	NORML	NORML	NORML	
	Emulsified Water			>0.2	NEG	NEG	
LUID CONDITION	Sodium	ppm	ASTM D5185m		0	0	
The fluid vice seity is higher than neveral. Confirm all time. The AND and	Boron	ppm	ASTM D5185m		0	0	
The fluid viscosity is higher than normal. Confirm oil type. The AN level is acceptable for this fluid.	Barium	ppm	ASTM D5185m		0	<1	
	Molybdenum	ppm	ASTM D5185m		<1	0	
	Manganese	ppm	ASTM D5185m		<1	<1	
	Magnesium	ppm	ASTM D5185m		20	19	
	Calcium	ppm	ASTM D5185m		47	51	
	Phosphorus	ppm	ASTM D5185m		220	205	
	Zinc	ppm	ASTM D5185m		290	275	
	Sulfur	ppm	ASTM D5185m		920	792	
	Acid Number (AN)	mg KOH/g	ASTM D8045		0.32	0.55	
	Visc @ 40°C	cSt	ASTM D445	30.4	59.4	59.8	





Certificate L2367

Laboratory Sample No.

Lab Number : 06104276 Unique Number: 10902506

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : MW0057242 Received

**Tested** Diagnosed Test Package : MAR 2 ( Additional Tests: PrtCount )

:01 Mar 2024 : 02 Mar 2024 - Don Baldridge

: 29 Feb 2024

8400 RIVER RD, PO BOX 656 WESTWEGO, LA US 70094-2317

Contact: KEVIN CHIASSON kevin.chiasson@adm.com T:

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)

F: