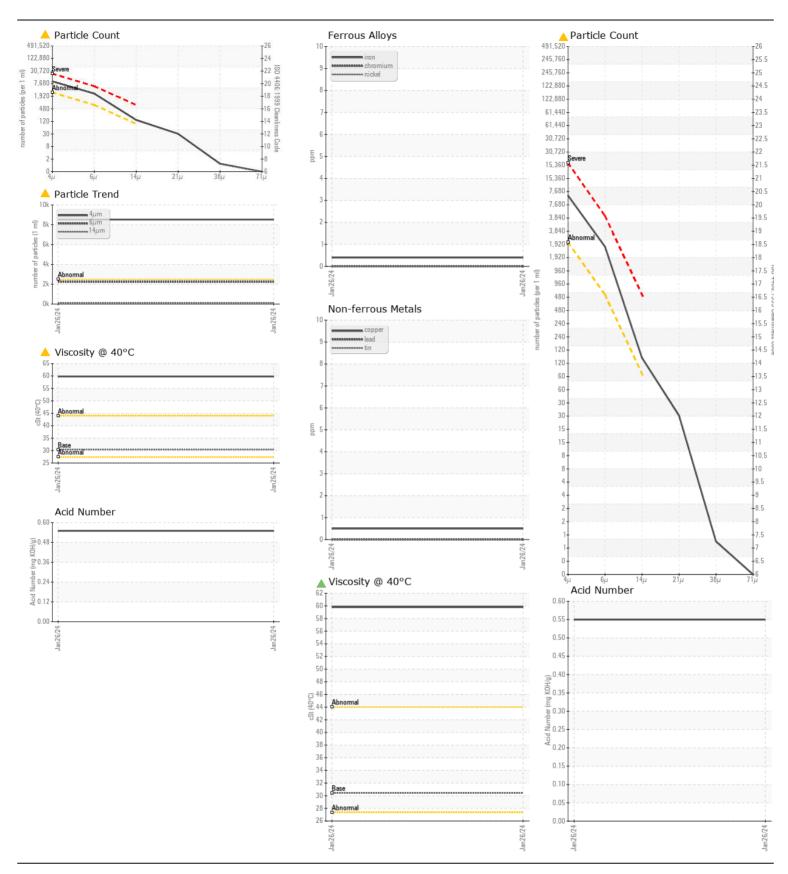
WEAR CONTAMINATION **FLUID CONDITION**

NORMAL **ABNORMAL ATTENTION**

LOUISIANA TRANSPORTER

Component Starboard Steering

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
	Sample Number		Client Info		MW0042841		
We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor.	Sample Date		Client Info		26 Jan 2024		
	Machine Age	hrs	Client Info		0		
	Oil Age	hrs	Client Info		0		
	Filter Age	hrs	Client Info		0		
	Oil Changed		Client Info		N/A		
	Filter Changed		Client Info		N/A		
	Sample Status				ABNORMAL		
VEAR	Iron	ppm	ASTM D5185m	>50	<1		
	Chromium	ppm	ASTM D5185m	>15	0		
All component wear rates are normal.	Nickel	ppm	ASTM D5185m		0		
	Titanium	ppm	ASTM D5185m		0		
	Silver	ppm	ASTM D5185m		0		
	Aluminum	ppm	ASTM D5185m	>5	0		
	Lead	ppm	ASTM D5185m		0		
	Copper	ppm	ASTM D5185m		<1		
	Tin	ppm	ASTM D5185m		0		
	Vanadium	ppm	ASTM D5185m		0		
	White Metal	scalar	*Visual	NONE	NONE		
	Yellow Metal	scalar	*Visual	NONE	NONE		
ONITABIINATION	0.11.		AOTA DE LOS	45			
CONTAMINATION	Silicon	ppm	ASTM D5185m		9		
There is a high amount of particulates present in the fluid.	Potassium	ppm	ASTM D5185m		0		
	Water		WC Method		NEG		
	Particles >4µm		ASTM D7647		<u>A</u> 8525		
	Particles >6µm		ASTM D7647		<u>^</u> 2238		
	Particles >14μm		ASTM D7647		<u> </u>		
	Particles >21µm		ASTM D7647		<u>^</u> 27		
	Particles >38μm		ASTM D7647		1		
	Particles >71μm		ASTM D7647		0		
	Oil Cleanliness		ISO 4406 (c)		20/18/14		
	Silt	scalar	*Visual	NONE	NONE		
	Debris	scalar	*Visual	NONE	NONE		
	Sand/Dirt	scalar	*Visual	NONE	NONE		
	Appearance	scalar	*Visual	NORML	NORML		
	Odor	scalar	*Visual	NORML	NORML		
	Emulsified Water	scalar	*Visual	>0.2	NEG		
LUID CONDITION	Sodium	ppm	ASTM D5185m		0		
	Boron	ppm	ASTM D5185m		0		
The fluid viscosity is higher than normal. Confirm oil type. The AN level is acceptable for this fluid.	Barium	ppm	ASTM D5185m		<1		
	Molybdenum	ppm	ASTM D5185m		0		
	Manganese	ppm	ASTM D5185m		<1		
	Magnesium	ppm	ASTM D5185m		19		
	Calcium	ppm	ASTM D5185m		51		
	Phosphorus	ppm	ASTM D5185m		205		
	Zinc	ppm	ASTM D5185m		275		
	Sulfur	ppm	ASTM D5185m		792		
	Acid Number (AN)	mg KOH/g	ASTM D8045		0.55		
	Visc @ 40°C	cSt	ASTM D445	30.4	▲ 59.8		





Certificate L2367

Laboratory

Sample No. Lab Number **Unique Number**

: MW0042841 : 06077640 : 10859731

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : 01 Feb 2024 Recieved Diagnosed : 04 Feb 2024 Diagnostician : Don Baldridge

Test Package : MAR 2 (Additional Tests: PrtCount) 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)

AMERICAN RIVER TRANSPORTATION CO

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T: F: