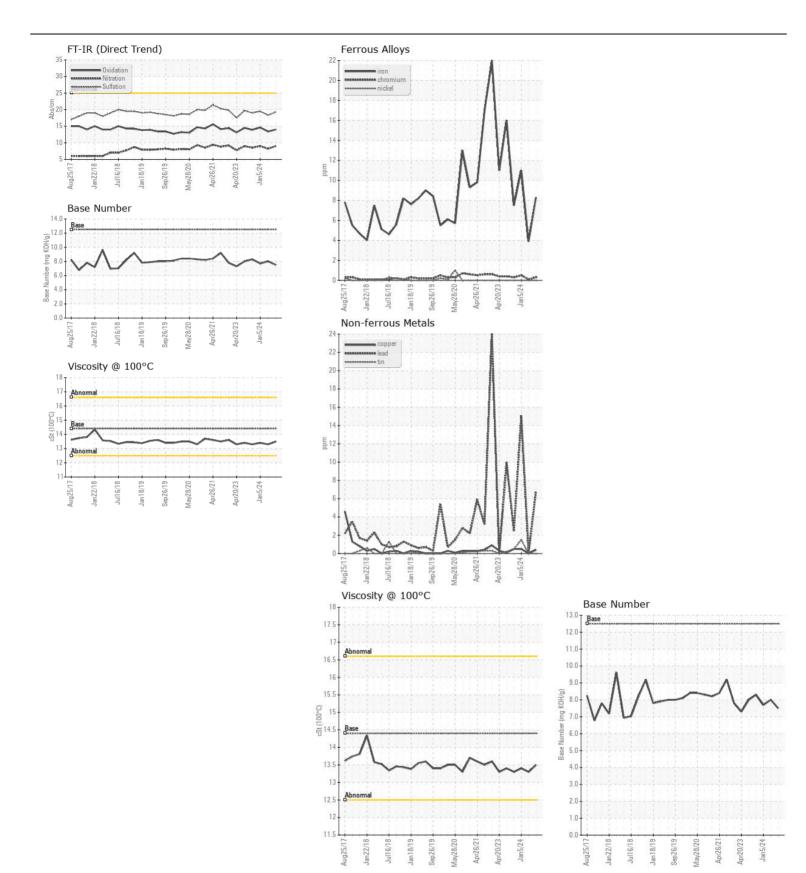
**WEAR** CONTAMINATION **FLUID CONDITION**  **NORMAL NORMAL NORMAL** 

Machine Id

## **LOUISIANA TRANSPORTER**

Component
Port Main Engine
Fluid

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
ALCOMINICIDATION	Sample Number	OOW	Client Info	LIIIIII/ADII	MW0064954	MW0042869	MW005727
Resample at the next service interval to monitor.	Sample Date		Client Info		10 Jun 2024	22 Mar 2024	05 Jan 202
	Machine Age	hrs	Client Info		52640	50878	49162
	Oil Age	hrs	Client Info		3529	1750	3669
	Filter Age	hrs	Client Info		3529	1750	1750
	Oil Changed	1110	Client Info		Changed	Not Changd	Changed
	Filter Changed		Client Info		Changed	Changed	Changed
	Sample Status				NORMAL	NORMAL	NORMAL
WEAR	Iron	ppm	ASTM D5185m		8	4	11
All component wear rates are normal.	Chromium	ppm	ASTM D5185m		<1	<1	<1
	Nickel	ppm	ASTM D5185m		0	0	0
	Titanium	ppm	ASTM D5185m		11	11	10
	Silver	ppm	ASTM D5185m		0	0	0
	Aluminum	ppm	ASTM D5185m		2	1	1
	Lead	ppm	ASTM D5185m		7	0	15
	Copper	ppm	ASTM D5185m		<1	0	<1
	Tin	ppm	ASTM D5185m	>14	0	0	2
	Vanadium	ppm	ASTM D5185m	NONE	0	<1	<1
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m	>20	4	3	4
	Potassium	ppm	ASTM D5185m	>20	4	2	2
Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. There is no indication of any contamination in the oil.	Fuel		WC Method	>4.0	<1.0	<1.0	<1.0
	Water		WC Method	>0.1	NEG	NEG	NEG
	Glycol		WC Method		NEG	NEG	NEG
	Soot %	%	*ASTM D7844		0.5	0.3	0.5
	Nitration	Abs/cm	*ASTM D7624	>20	9.0	8.2	9.0
	Sulfation	Abs/.1mm	*ASTM D7415	>30	19.3	18.3	19.5
	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	NORM
	Odor	scalar	*Visual	NORML	NORML	NORML	NORM
	Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	NEG
FLUID CONDITION	Sodium	ppm	ASTM D5185m	<b>&gt;</b> 75	8	7	11
	Boron	ppm	ASTM D5185m		52	82	66
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.	Barium	ppm	ASTM D5185m		0	0	0
	Molybdenum	ppm	ASTM D5185m		48	47	59
	Manganese	ppm	ASTM D5185m		0	<1	<1
	Magnesium	ppm	ASTM D5185m	0	689	676	751
	Calcium	ppm	ASTM D5185m		1496	1485	1780
	Phosphorus	ppm	ASTM D5185m		744	712	823
	Zinc	ppm	ASTM D5185m		863	813	1016
	Sulfur	ppm	ASTM D5185m		2890	3344	3588
	Oxidation	Abs/.1mm	*ASTM D7414		14.0	13.4	14.6
	Base Number (BN)		ASTM D2896		7.5	8.0	7.7
	Dasc Hamber (DIA)						







Certificate L2367

Laboratory Sample No.

Lab Number : 06214198 Unique Number : 11087062 Test Package : MAR 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 19 Jun 2024 : MW0064954 **Tested** 

: 20 Jun 2024 Diagnosed : 20 Jun 2024 - Wes Davis

AMERICAN RIVER TRANSPORTATION CO

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: