



WEAR	<b>NORMAL</b>
CONTAMINATION	<b>NORMAL</b>
FLUID CONDITION	<b>NORMAL</b>

Machine Id  
**LOUISIANA PRIDE**  
Component  
**Port Genset**  
Fluid  
**CHEVRON DELO 400 MULTIGRADE 15W40 (3 GAL)**

**RECOMMENDATION**

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>MW0057345</b>	MW0003443	MW0042782
Sample Date		Client Info		<b>20 Feb 2024</b>	05 Nov 2023	28 Sep 2023
Machine Age	hrs	Client Info		<b>49244</b>	48409	47612
Oil Age	hrs	Client Info		<b>705</b>	806	891
Filter Age	hrs	Client Info		<b>705</b>	806	891
Oil Changed		Client Info		<b>Changed</b>	Changed	Changed
Filter Changed		Client Info		<b>Changed</b>	Changed	Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

**WEAR**

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>50	<b>7</b>	4	5
Chromium	ppm	ASTM D5185m	>4	<b>0</b>	0	0
Nickel	ppm	ASTM D5185m	>2	<b>&lt;1</b>	0	<1
Titanium	ppm	ASTM D5185m		<b>12</b>	11	12
Silver	ppm	ASTM D5185m	>5	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>12	<b>1</b>	<1	0
Lead	ppm	ASTM D5185m	>17	<b>2</b>	0	<1
Copper	ppm	ASTM D5185m	>70	<b>&lt;1</b>	<1	2
Tin	ppm	ASTM D5185m	>15	<b>1</b>	0	<1
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

**CONTAMINATION**

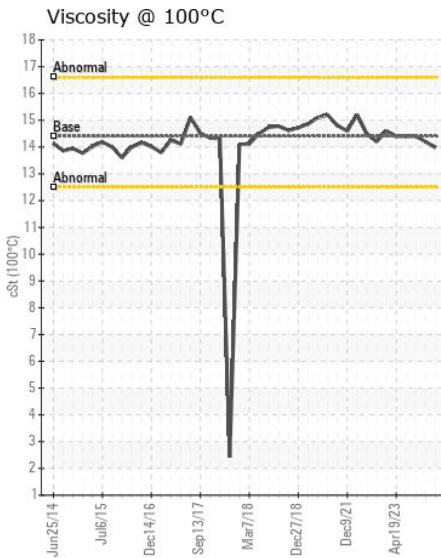
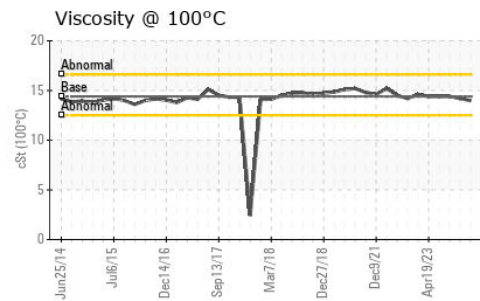
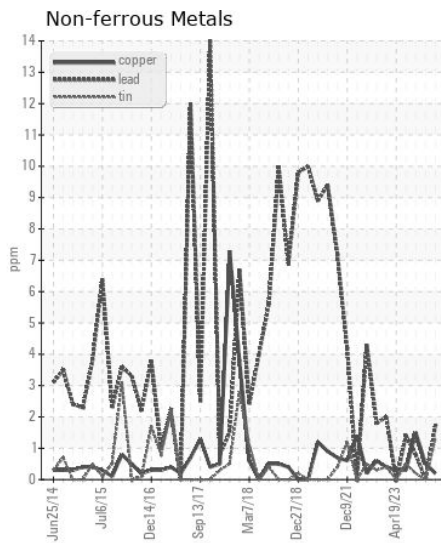
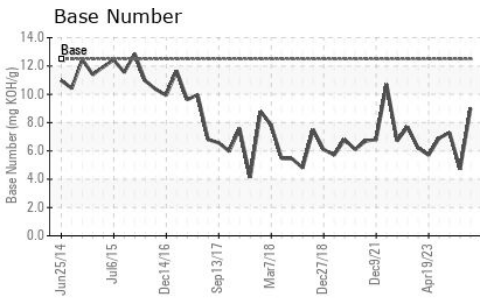
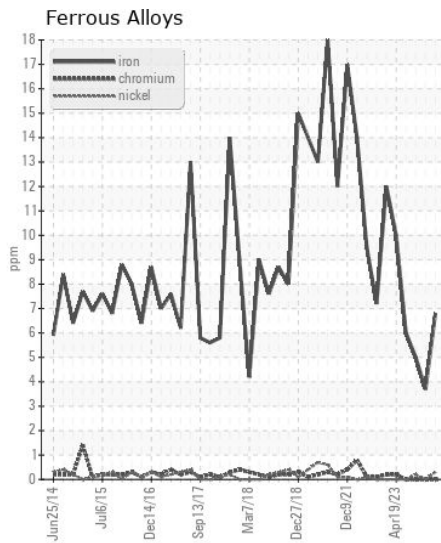
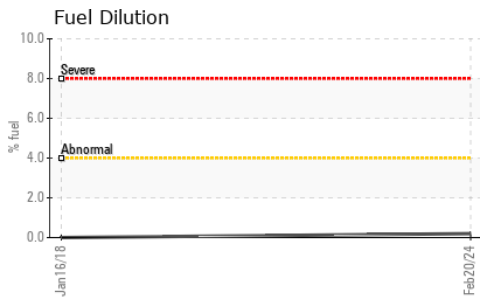
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	<b>4</b>	3	4
Potassium	ppm	ASTM D5185m	>20	<b>7</b>	2	8
Fuel	%	ASTM D3524	>4.0	<b>0.2</b>	<1.0	<1.0
Water		WC Method	>0.1	<b>NEG</b>	NEG	NEG
Glycol		WC Method		<b>NEG</b>	NEG	NEG
Soot %	%	*ASTM D7844		<b>0.1</b>	0.1	0.1
Nitration	Abs/cm	*ASTM D7624	>20	<b>13.3</b>	8.9	8.8
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>21.2</b>	19.5	19.6
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	<b>NEG</b>	NEG	NEG

**FLUID CONDITION**

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185m		<b>11</b>	8	12
Boron	ppm	ASTM D5185m	151	<b>53</b>	73	63
Barium	ppm	ASTM D5185m	0.4	<b>0</b>	0	<1
Molybdenum	ppm	ASTM D5185m	250	<b>30</b>	29	33
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	0	<1
Magnesium	ppm	ASTM D5185m	0	<b>740</b>	615	575
Calcium	ppm	ASTM D5185m	2046	<b>1896</b>	1673	1485
Phosphorus	ppm	ASTM D5185m	1043	<b>817</b>	703	723
Zinc	ppm	ASTM D5185m	943	<b>1092</b>	907	856
Sulfur	ppm	ASTM D5185m	5012	<b>3861</b>	3311	3102
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>18.2</b>	17.1	15.7
Base Number (BN)	mg KOH/g	ASTM D2896	12.5	<b>9.0</b>	4.7	7.3
Visc @ 100°C	cSt	ASTM D445	14.4	<b>13.98</b>	14.2	14.4



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513

**Sample No.** : MW0057345

**Lab Number** : 06104144

**Unique Number** : 10902374

**Test Package** : MAR 2 ( Additional Tests: FuelDilution, PercentFuel )

**Received** : 29 Feb 2024

**Tested** : 06 Mar 2024

**Diagnosed** : 06 Mar 2024 - Jonathan Hester

**AMERICAN RIVER TRANSPORTATION CO**

8400 RIVER RD, PO BOX 656

WESTWEGO, LA

US 70094-2317

Contact: KEVIN CHIASSON

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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)

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F: