



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

Area  
**API**  
Machine Id  
**API**  
Component  
**Port Genset**  
Fluid  
**CHEVRON DELO 710 LS (7 GAL)**

**RECOMMENDATION**

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>MW0040072</b>	MW0055082	MW0055084
Sample Date		Client Info		<b>25 Nov 2023</b>	29 Oct 2023	15 Sep 2023
Machine Age	hrs	Client Info		<b>6792</b>	6484	5882
Oil Age	hrs	Client Info		<b>250</b>	314	313
Filter Age	hrs	Client Info		<b>250</b>	314	313
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>10</b>	13	7
Chromium	ppm	ASTM D5185m	>4	<b>&lt;1</b>	<1	<1
Nickel	ppm	ASTM D5185m	>2	<b>&lt;1</b>	2	<1
Titanium	ppm	ASTM D5185m		<b>0</b>	<1	0
Silver	ppm	ASTM D5185m	>5	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>12	<b>&lt;1</b>	1	0
Lead	ppm	ASTM D5185m	>17	<b>4</b>	2	2
Copper	ppm	ASTM D5185m	>70	<b>&lt;1</b>	<1	<1
Tin	ppm	ASTM D5185m	>15	<b>&lt;1</b>	0	<1
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	<1
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

**CONTAMINATION**

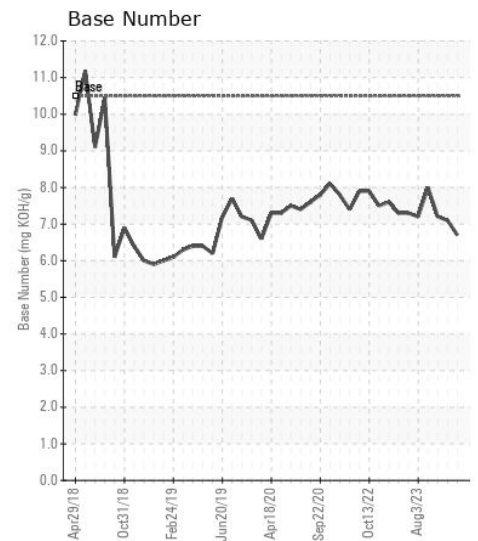
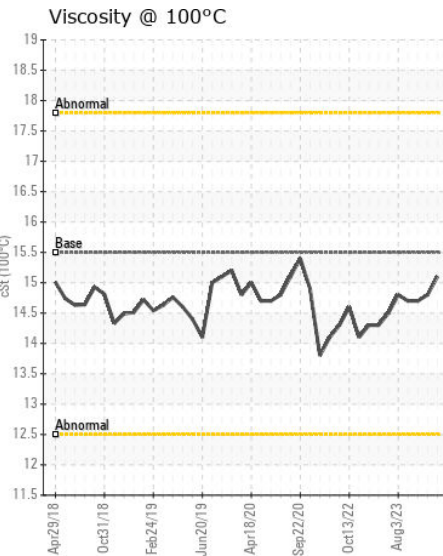
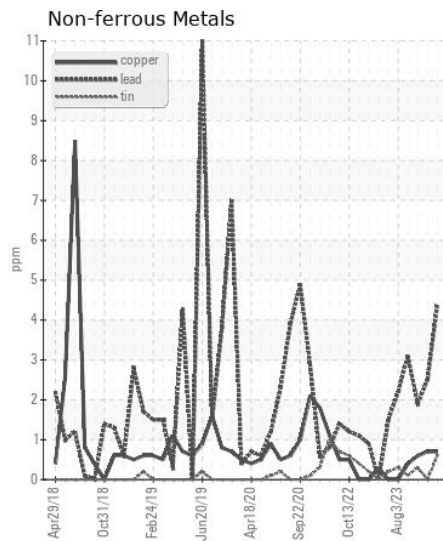
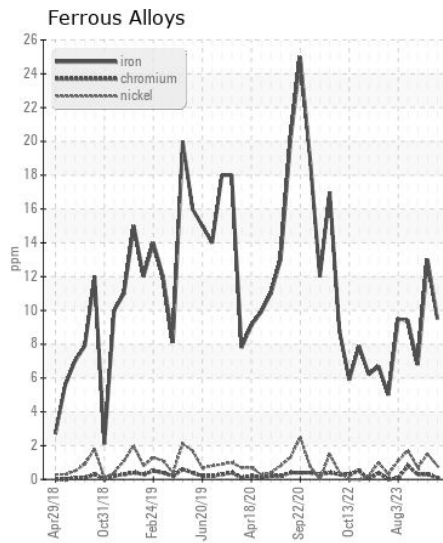
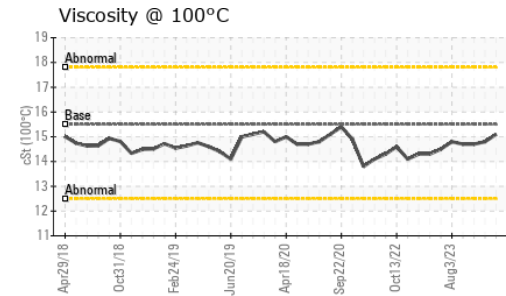
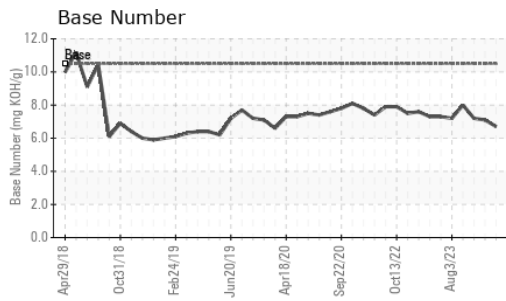
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	<b>3</b>	3	4
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	2	0
Fuel		WC Method	>4.0	<b>&lt;1.0</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>0.8</b>	0.8	0.4
Nitration	Abs/cm	*ASTM D7624	>20	<b>10.0</b>	9.6	7.3
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>17.7</b>	17.2	14.8
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>1</b>	0	<1
Boron	ppm	ASTM D5185m		<b>43</b>	45	42
Barium	ppm	ASTM D5185m		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m		<b>61</b>	59	49
Manganese	ppm	ASTM D5185m		<b>0</b>	<1	<1
Magnesium	ppm	ASTM D5185m		<b>39</b>	17	12
Calcium	ppm	ASTM D5185m		<b>3522</b>	3504	3173
Phosphorus	ppm	ASTM D5185m		<b>17</b>	0	3
Zinc	ppm	ASTM D5185m		<b>15</b>	<1	0
Sulfur	ppm	ASTM D5185m		<b>2113</b>	2388	2145
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>11.5</b>	10.3	7.7
Base Number (BN)	mg KOH/g	ASTM D2896	10.5	<b>6.7</b>	7.1	7.2
Visc @ 100°C	cSt	ASTM D445	15.5	<b>15.1</b>	14.8	14.7



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : MW0040072 **Received** : 18 Jan 2024  
**Lab Number** : 06064707 **Diagnosed** : 19 Jan 2024  
**Unique Number** : 10836089 **Diagnostician** : Wes Davis  
**Test Package** : MAR 2

**AMERICAN RIVER TRANSPORTATION CO.**  
P.O. BOX 2889  
ST. LOUIS, MO  
US 63111  
Contact: BRIAN GRIEWING  
brian.griewing@adm.com  
T:  
F: (314)481-5278

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)