



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

Area  
**JMA**  
Machine Id  
**JMA**  
Component  
**Center Reduction Gear**  
Fluid  
**CHEVRON DELO 710 LS (80 GAL)**

**RECOMMENDATION**

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

**WEAR**

All component wear rates are normal.

**CONTAMINATION**

Appearance is milky. There is no indication of any contamination in the oil.

**FLUID CONDITION**

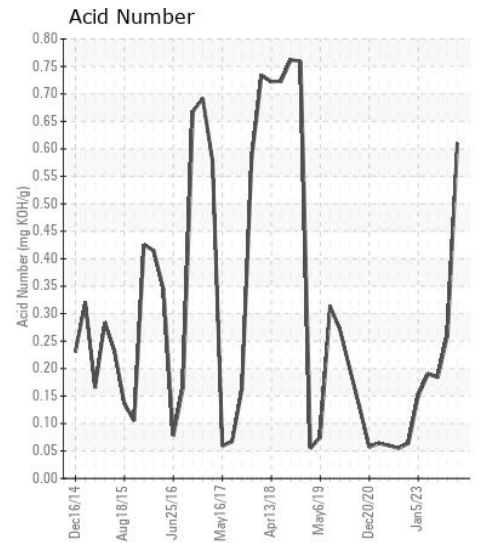
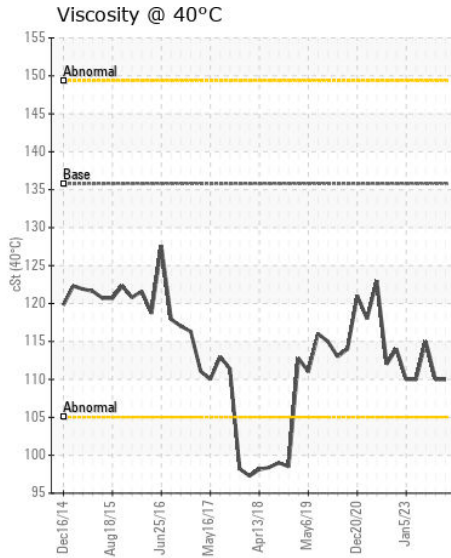
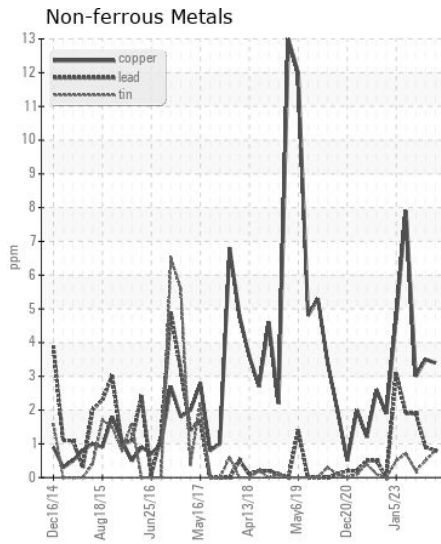
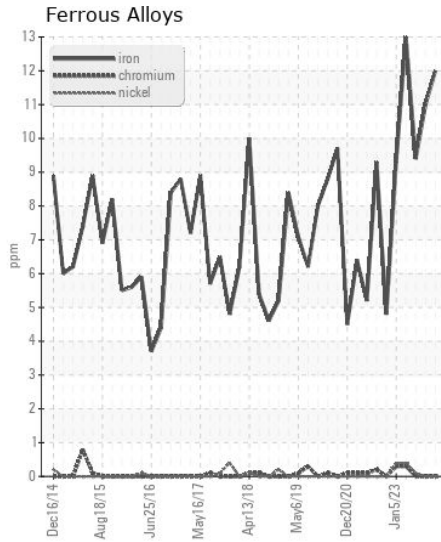
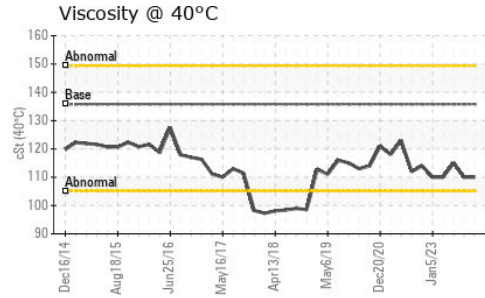
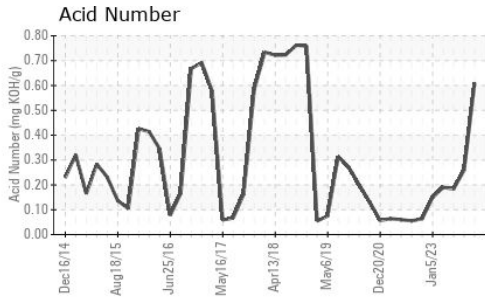
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>MW0060818</b>	MW0060821	MW0054672
Sample Date		Client Info		<b>13 Mar 2024</b>	01 Feb 2024	31 Oct 2023
Machine Age	hrs	Client Info		<b>33091</b>	32443	30394
Oil Age	hrs	Client Info		<b>3516</b>	1065	300
Filter Age	hrs	Client Info		<b>3516</b>	0	300
Oil Changed		Client Info		<b>Changed</b>	Not Changd	Not Changd
Filter Changed		Client Info		<b>Changed</b>	Not Changd	Not Changd
Sample Status				<b>ATTENTION</b>	NORMAL	NORMAL

Iron	ppm	ASTM D5185m	>150	<b>12</b>	11	9
Chromium	ppm	ASTM D5185m	>10	<b>0</b>	0	0
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	0	<1
Titanium	ppm	ASTM D5185m		<b>0</b>	<1	<1
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>25	<b>1</b>	2	2
Lead	ppm	ASTM D5185m	>100	<b>&lt;1</b>	<1	2
Copper	ppm	ASTM D5185m	>50	<b>3</b>	4	3
Tin	ppm	ASTM D5185m	>10	<b>&lt;1</b>	<1	<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

Silicon	ppm	ASTM D5185m	>50	<b>3</b>	3	4
Potassium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	3	2
Water		WC Method	>0.1	<b>NEG</b>	NEG	NEG
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>MILKY</b>	NORML	NORML
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	<b>NEG</b>	NEG	NEG

Sodium	ppm	ASTM D5185m		<b>1</b>	2	0
Boron	ppm	ASTM D5185m		<b>46</b>	46	51
Barium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Molybdenum	ppm	ASTM D5185m		<b>45</b>	43	43
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Magnesium	ppm	ASTM D5185m		<b>11</b>	11	0
Calcium	ppm	ASTM D5185m		<b>3380</b>	3355	3254
Phosphorus	ppm	ASTM D5185m		<b>0</b>	6	2
Zinc	ppm	ASTM D5185m		<b>0</b>	0	0
Sulfur	ppm	ASTM D5185m		<b>2448</b>	2410	2145
Acid Number (AN)	mg KOH/g	ASTM D8045		<b>0.61</b>	0.26	0.184
Visc @ 40°C	cSt	ASTM D445	135.8	<b>110</b>	110	115



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : MW0060818  
**Lab Number** : 06154587  
**Unique Number** : 10990010  
**Test Package** : MAR 2

**Received** : 19 Apr 2024  
**Tested** : 23 Apr 2024  
**Diagnosed** : 23 Apr 2024 - Don Baldrige

**AMERICAN RIVER TRANSPORTATION CO.**  
 P.O. BOX 2889  
 ST. LOUIS, MO  
 US 63111

Contact: STEPHEN LEBOUF  
 stephen.lebouef@adm.com

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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