



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area

RICH MCCARTY

Machine Id

RICH MCCARTY

Component

Port Genset

Fluid

CHEVRON DELO 710 LS (6 GAL)

RECOMMENDATION

Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		MW0057716	MW0057628	---
Sample Date		Client Info		21 Feb 2024	30 Dec 2023	---
Machine Age	hrs	Client Info		49104	48582	---
Oil Age	hrs	Client Info		516	503	---
Filter Age	hrs	Client Info		516	503	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		Changed	Changed	---
Sample Status				NORMAL	NORMAL	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>50	6	2	---
Chromium	ppm	ASTM D5185m	>4	0	<1	---
Nickel	ppm	ASTM D5185m	>2	0	0	---
Titanium	ppm	ASTM D5185m		<1	0	---
Silver	ppm	ASTM D5185m	>5	0	0	---
Aluminum	ppm	ASTM D5185m	>12	1	2	---
Lead	ppm	ASTM D5185m	>17	0	<1	---
Copper	ppm	ASTM D5185m	>70	<1	0	---
Tin	ppm	ASTM D5185m	>15	0	<1	---
Vanadium	ppm	ASTM D5185m		<1	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

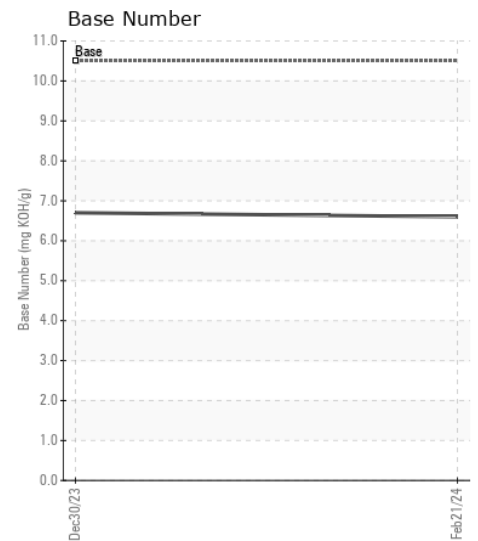
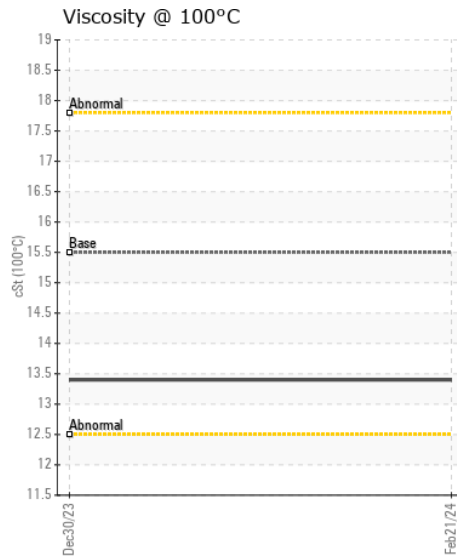
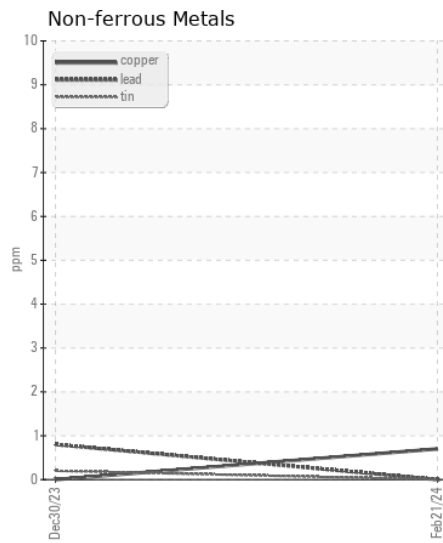
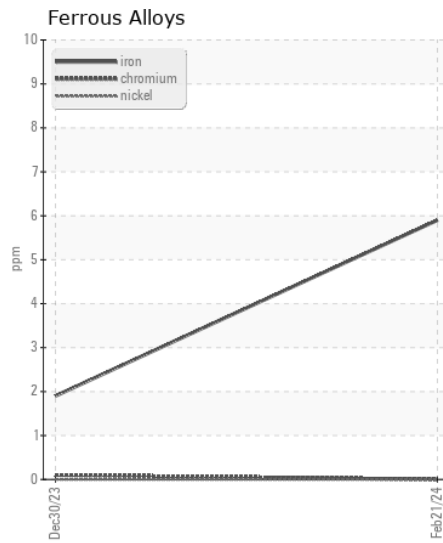
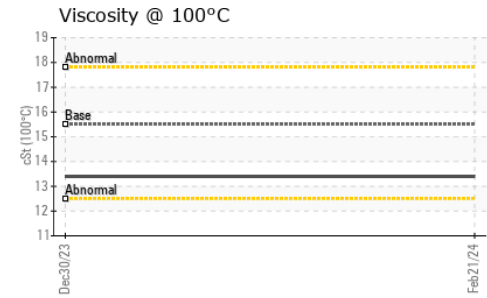
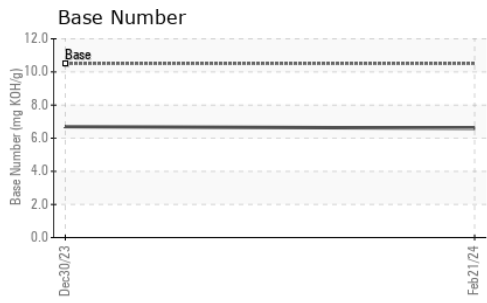
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	4	3	---
Potassium	ppm	ASTM D5185m	>20	<1	0	---
Fuel		WC Method	>4.0	<1.0	<1.0	---
Water		WC Method	>0.1	NEG	NEG	---
Glycol		WC Method		NEG	NEG	---
Soot %	%	*ASTM D7844		0.1	0.2	---
Nitration	Abs/cm	*ASTM D7624	>20	9.2	9.9	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	15.7	16.7	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.1	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		19	8	---
Boron	ppm	ASTM D5185m		42	42	---
Barium	ppm	ASTM D5185m		0	0	---
Molybdenum	ppm	ASTM D5185m		44	42	---
Manganese	ppm	ASTM D5185m		<1	<1	---
Magnesium	ppm	ASTM D5185m		11	13	---
Calcium	ppm	ASTM D5185m		3368	3156	---
Phosphorus	ppm	ASTM D5185m		<1	1	---
Zinc	ppm	ASTM D5185m		<1	7	---
Sulfur	ppm	ASTM D5185m		2426	1905	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	11.0	12.6	---
Base Number (BN)	mg KOH/g	ASTM D2896	10.5	6.6	6.7	---
Visc @ 100°C	cSt	ASTM D445	15.5	13.4	13.4	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : MW0057716
Lab Number : 06122971
Unique Number : 10937122
Test Package : MAR 2

Received : 19 Mar 2024
Tested : 20 Mar 2024
Diagnosed : 20 Mar 2024 - Wes Davis

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

Contact: BRIAN GRIEWING
 brian.griewing@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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