



Machine Id  
**GENE NEAL**  
Component  
**Port Main Engine**  
Fluid  
**CHEVRON DELO 710 LE (250 GAL)**

**RECOMMENDATION**

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>MW0058005</b>	MW0058003	MW0057996
Sample Date		Client Info		<b>01 Jan 2024</b>	05 Dec 2023	06 Nov 2023
Machine Age	hrs	Client Info		<b>27290</b>	26799	26359
Oil Age	hrs	Client Info		<b>1556</b>	1066	637
Filter Age	hrs	Client Info		<b>146</b>	1066	637
Oil Changed		Client Info		<b>N/A</b>	Not Changd	N/A
Filter Changed		Client Info		<b>N/A</b>	Not Changd	N/A
Sample Status				<b>ATTENTION</b>	ATTENTION	NORMAL

**WEAR**

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>75	<b>8</b>	10	6
Chromium	ppm	ASTM D5185m	>8	<b>&lt;1</b>	<1	<1
Nickel	ppm	ASTM D5185m	>2	<b>0</b>	0	0
Titanium	ppm	ASTM D5185m	>3	<b>0</b>	<1	0
Silver	ppm	ASTM D5185m	>2	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>15	<b>2</b>	2	2
Lead	ppm	ASTM D5185m	>18	<b>9</b>	13	2
Copper	ppm	ASTM D5185m	>80	<b>8</b>	9	5
Tin	ppm	ASTM D5185m	>14	<b>2</b>	2	2
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

**CONTAMINATION**

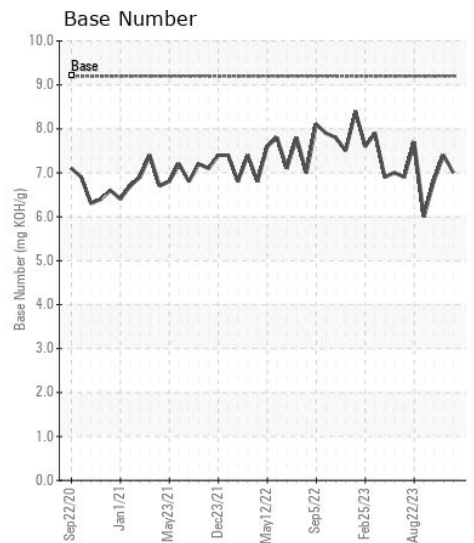
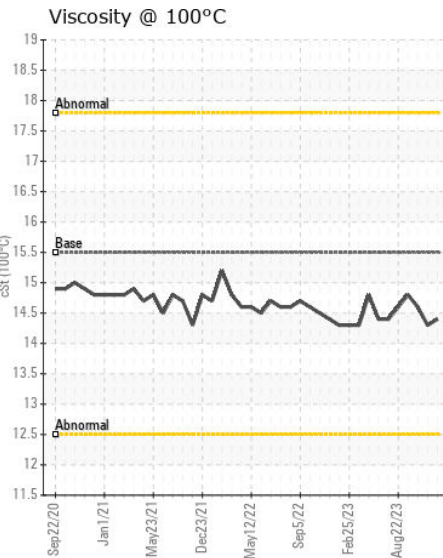
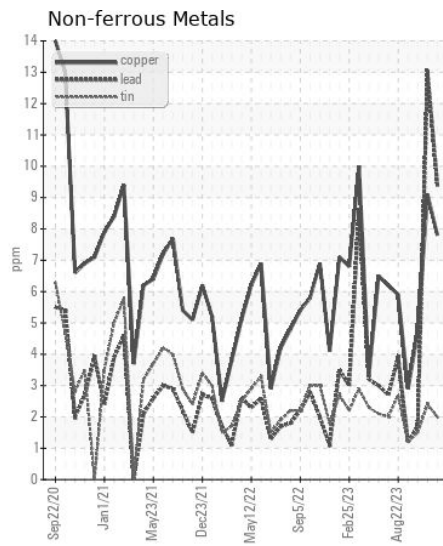
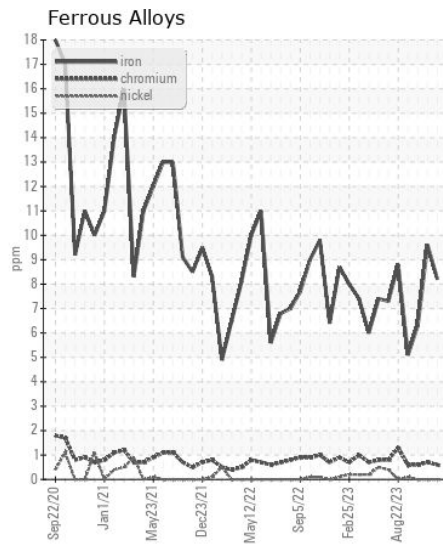
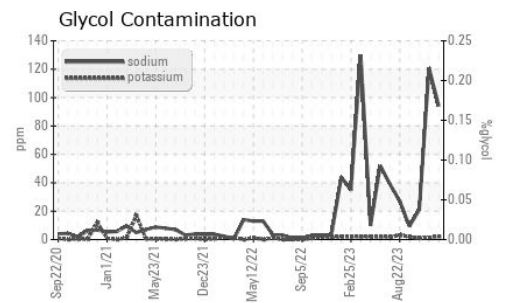
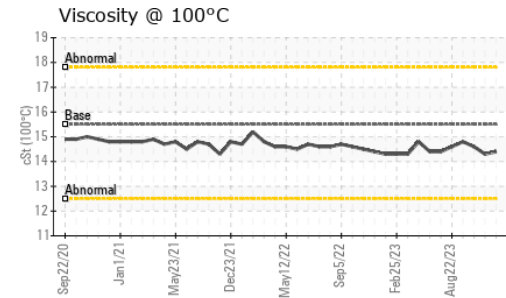
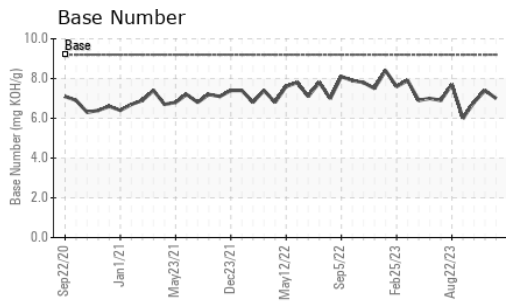
The high sodium (Na) level indicates the possible presence of salt water. Test for glycol is negative.

Silicon	ppm	ASTM D5185m	>20	<b>8</b>	9	4
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	2	<1
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	%	*ASTM D2982		<b>NEG</b>	NEG	NEG
Soot %	%	*ASTM D7844		<b>0.2</b>	0.2	0.2
Nitration	Abs/cm	*ASTM D7624	>20	<b>7.0</b>	7.5	6.9
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>15.2</b>	15.7	14.9
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	>75	<b>▲ 94</b>	▲ 121	21
Boron	ppm	ASTM D5185m		<b>64</b>	59	41
Barium	ppm	ASTM D5185m		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m		<b>47</b>	44	43
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Magnesium	ppm	ASTM D5185m		<b>36</b>	21	14
Calcium	ppm	ASTM D5185m		<b>3324</b>	3381	3337
Phosphorus	ppm	ASTM D5185m		<b>26</b>	13	12
Zinc	ppm	ASTM D5185m	10	<b>31</b>	11	10
Sulfur	ppm	ASTM D5185m		<b>2263</b>	2235	2217
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>7.4</b>	7.7	7.5
Base Number (BN)	mg KOH/g	ASTM D2896	9.2	<b>7.0</b>	7.4	6.8
Visc @ 100°C	cSt	ASTM D445	15.5	<b>14.4</b>	14.3	14.6



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : MW0058005 **Received** : 16 Jan 2024  
**Lab Number** : 06061665 **Diagnosed** : 18 Jan 2024  
**Unique Number** : 10833047 **Diagnostician** : Jonathan Hester  
**Test Package** : MAR 2 ( Additional Tests: Glycol )

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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