



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

Area  
**GALE C**  
Machine Id  
**[GALE C] 002 550006-2**  
Component  
**Center Main Engine**  
Fluid  
**CHEVRON DELO 710 LE (225 GAL)**

**RECOMMENDATION**

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>MW0063261</b>	MW0058718	MW0058601
Sample Date		Client Info		<b>01 Dec 2023</b>	01 Nov 2023	01 Oct 2023
Machine Age	hrs	Client Info		<b>10392</b>	9651	8919
Oil Age	hrs	Client Info		<b>10392</b>	0	8919
Filter Age	hrs	Client Info		<b>324</b>	0	0
Oil Changed		Client Info		<b>Not Changd</b>	N/A	N/A
Filter Changed		Client Info		<b>Changed</b>	N/A	N/A
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

**WEAR**

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>75	<b>9</b>	9	7
Chromium	ppm	ASTM D5185m	>8	<b>&lt;1</b>	<1	<1
Nickel	ppm	ASTM D5185m	>2	<b>0</b>	<1	0
Titanium	ppm	ASTM D5185m	>3	<b>0</b>	0	0
Silver	ppm	ASTM D5185m	>2	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>15	<b>1</b>	2	1
Lead	ppm	ASTM D5185m	>18	<b>5</b>	7	6
Copper	ppm	ASTM D5185m	>80	<b>10</b>	11	10
Tin	ppm	ASTM D5185m	>14	<b>4</b>	4	4
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

**CONTAMINATION**

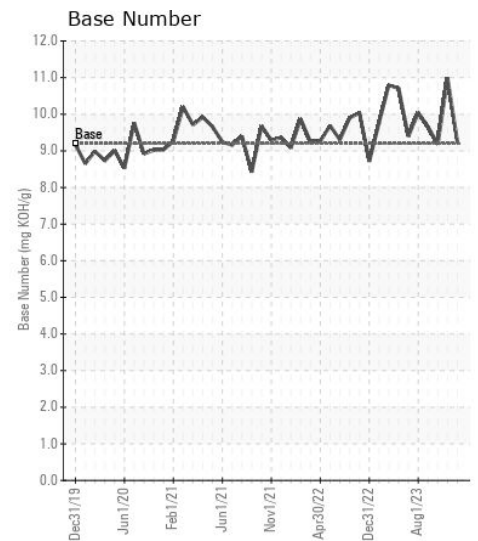
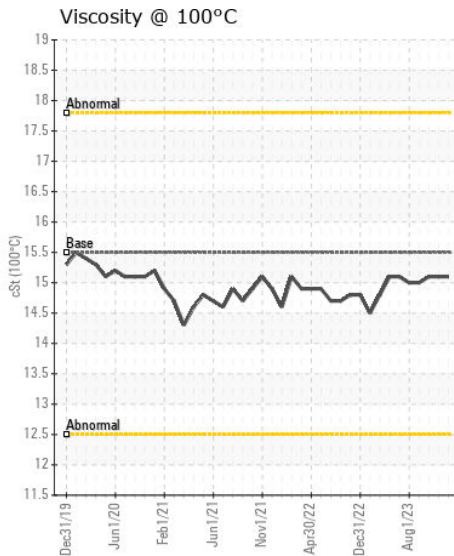
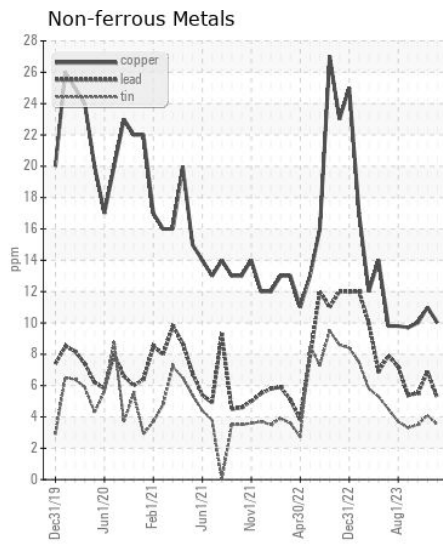
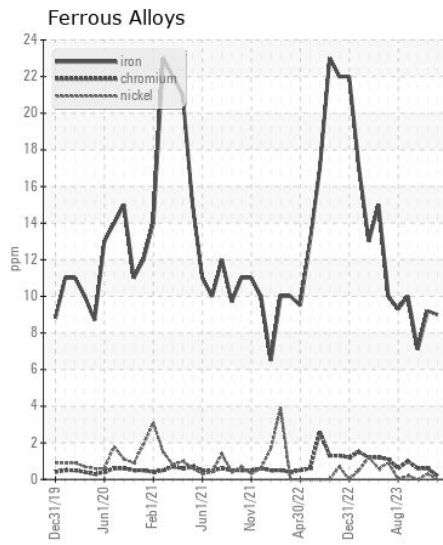
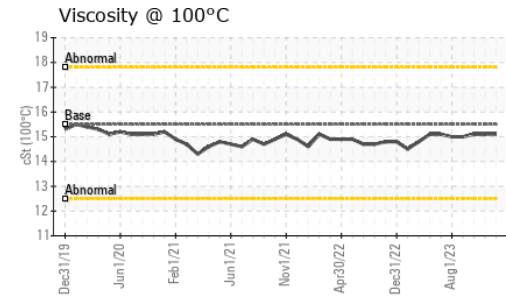
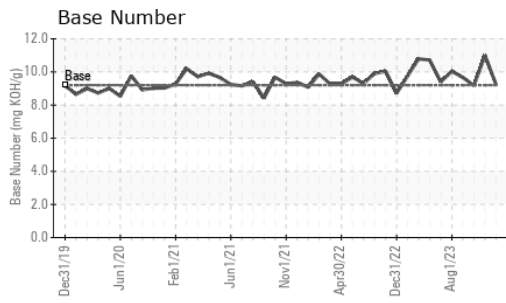
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>20	<b>5</b>	5	6
Potassium	ppm	ASTM D5185m	>20	<b>1</b>	1	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	>3	<b>0.2</b>	0.2	0.2
Nitration	Abs/cm	*ASTM D7624	>20	<b>8.4</b>	8.3	8.3
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>16.5</b>	17.0	16.6
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	>75	<b>29</b>	25	25
Boron	ppm	ASTM D5185m		<b>38</b>	46	37
Barium	ppm	ASTM D5185m		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m		<b>42</b>	44	42
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Magnesium	ppm	ASTM D5185m		<b>13</b>	15	14
Calcium	ppm	ASTM D5185m		<b>3184</b>	3499	3411
Phosphorus	ppm	ASTM D5185m		<b>6</b>	2	4
Zinc	ppm	ASTM D5185m	10	<b>0</b>	5	0
Sulfur	ppm	ASTM D5185m		<b>2179</b>	2363	2166
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>9.1</b>	9.0	8.7
Base Number (BN)	mg KOH/g	ASTM D2896	9.2	<b>9.24</b>	10.99	9.18
Visc @ 100°C	cSt	ASTM D445	15.5	<b>15.1</b>	15.1	15.1



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : MW0063261 **Received** : 08 Jan 2024  
**Lab Number** : 06054124 **Diagnosed** : 09 Jan 2024  
**Unique Number** : 10820073 **Diagnostician** : Wes Davis  
**Test Package** : MAR 2

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)

**INGRAM BARGE**  
 900 S 3RD ST  
 PADUCAH, KY  
 US 42003

Contact: ALLEN WILLHELM  
 allen.willhelm@ingrambarga.com

T: (270)415-4467  
 F: (615)695-3697