



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

Area  
**PATRICIA I HART**  
Machine Id  
**[PATRICIA I HART] 002 590874-2**  
Component  
**Center Main Engine**  
Fluid  
**CHEVRON DELO 710 LE (200 GAL)**

**RECOMMENDATION**

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>MW06056005</b>	MW0059887	MW0043136
Sample Date		Client Info		<b>01 Oct 2023</b>	01 Sep 2023	07 Jul 2023
Machine Age	hrs	Client Info		<b>28531</b>	22814	21622
Oil Age	hrs	Client Info		<b>0</b>	22814	21622
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>N/A</b>	N/A	N/A
Filter Changed		Client Info		<b>N/A</b>	N/A	N/A
Sample Status				<b>NORMAL</b>	NORMAL	ATTENTION

**WEAR**

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>75	<b>21</b>	21	22
Chromium	ppm	ASTM D5185m	>8	<b>&lt;1</b>	<1	<1
Nickel	ppm	ASTM D5185m	>2	<b>1</b>	1	1
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>2</b>	<1	3
Lead	ppm	ASTM D5185m	>18	<b>6</b>	6	6
Copper	ppm	ASTM D5185m	>80	<b>25</b>	26	25
Tin	ppm	ASTM D5185m	>14	<b>4</b>	4	4
Vanadium	ppm	ASTM D5185m		<b>0</b>	<1	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

**CONTAMINATION**

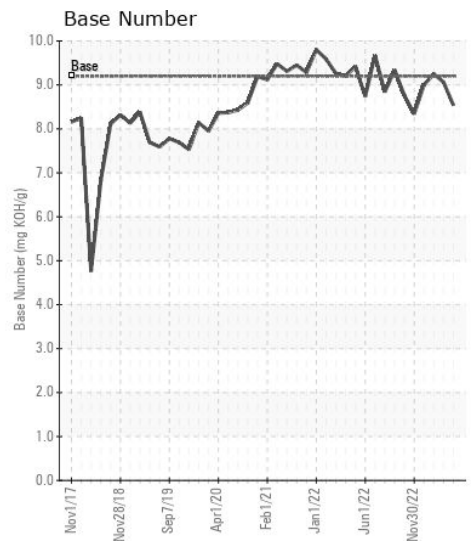
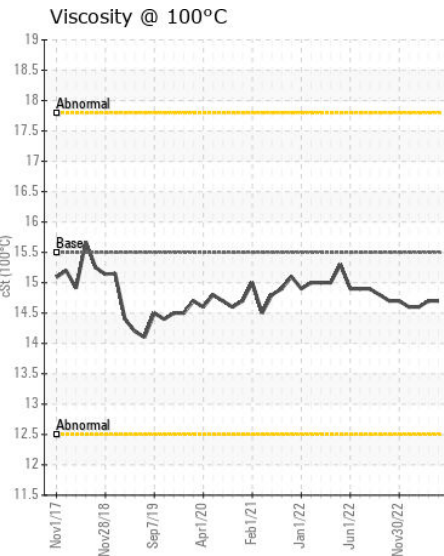
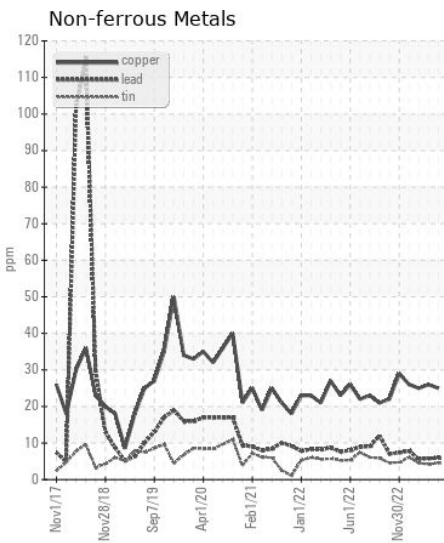
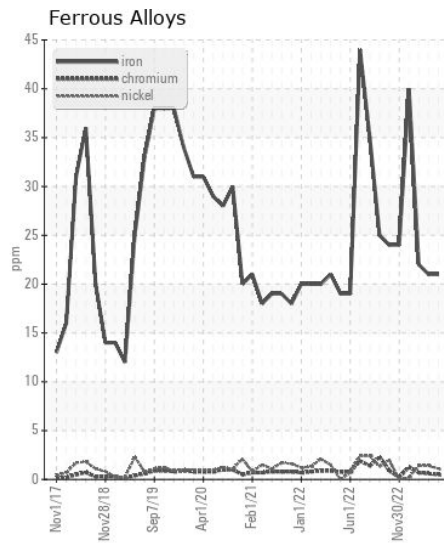
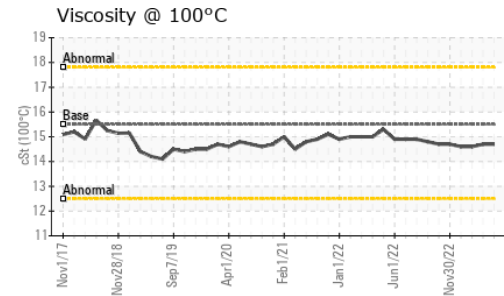
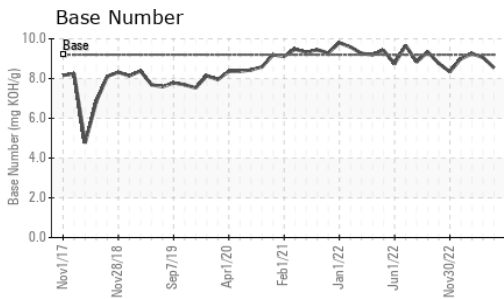
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>20	<b>7</b>	9	11
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	<1	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		WC Method		<b>NEG</b>	NEG	NEG
Soot %	%	*ASTM D7844	>3	<b>0.9</b>	0.7	0.3
Nitration	Abs/cm	*ASTM D7624	>20	<b>9.0</b>	8.2	8.3
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>18.2</b>	16.8	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>32</b>	51	▲ 105
Boron	ppm	ASTM D5185m		<b>37</b>	46	66
Barium	ppm	ASTM D5185m		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m		<b>46</b>	49	47
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Magnesium	ppm	ASTM D5185m		<b>15</b>	11	19
Calcium	ppm	ASTM D5185m		<b>3414</b>	3773	3795
Phosphorus	ppm	ASTM D5185m		<b>8</b>	5	7
Zinc	ppm	ASTM D5185m	10	<b>5</b>	0	0
Sulfur	ppm	ASTM D5185m		<b>2291</b>	2738	3029
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>8.8</b>	8.2	8.5
Base Number (BN)	mg KOH/g	ASTM D2896	9.2	<b>8.54</b>	9.06	9.25
Visc @ 100°C	cSt	ASTM D445	15.5	<b>14.7</b>	14.7	14.6



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : MW06056005 **Recieved** : 09 Jan 2024  
**Lab Number** : 06056005 **Diagnosed** : 11 Jan 2024  
**Unique Number** : 10821954 **Diagnostician** : Wes Davis  
**Test Package** : MAR 2

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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)