



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

Area

**OT ADKINS**

Machine Id

**[OT ADKINS] 001 508628-1**

Component

**Port Main Engine**

Fluid

**CHEVRON DELO 400 MULTIGRADE 15W40 (--- GAL)**

**RECOMMENDATION**

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>MW0053557</b>	MW0062828	MW0053623
Sample Date		Client Info		<b>06 Jan 2024</b>	01 Dec 2023	04 Oct 2023
Machine Age	hrs	Client Info		<b>5735</b>	3114	4636
Oil Age	hrs	Client Info		<b>1296</b>	652	163
Filter Age	hrs	Client Info		<b>1296</b>	652	163
Oil Changed		Client Info		<b>Changed</b>	Not Changd	Not Changd
Filter Changed		Client Info		<b>Not Changd</b>	Not Changd	Not Changd
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

**WEAR**

All component wear rates are normal.

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

**CONTAMINATION**

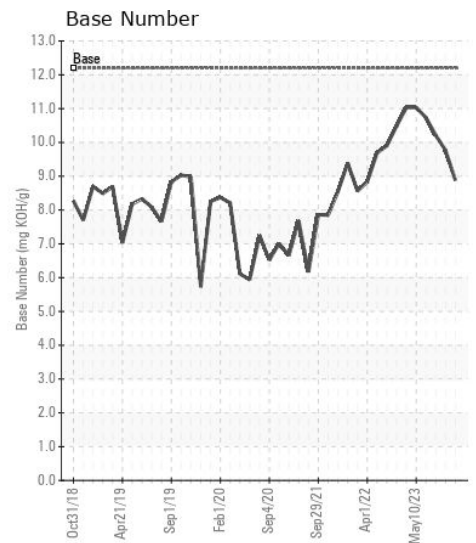
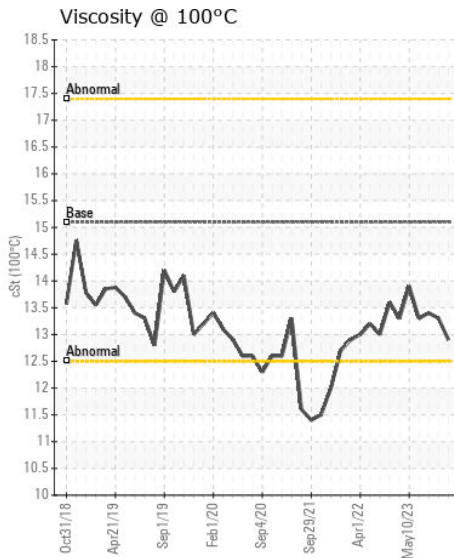
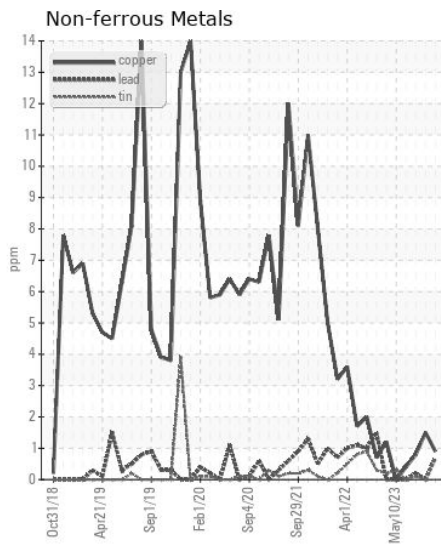
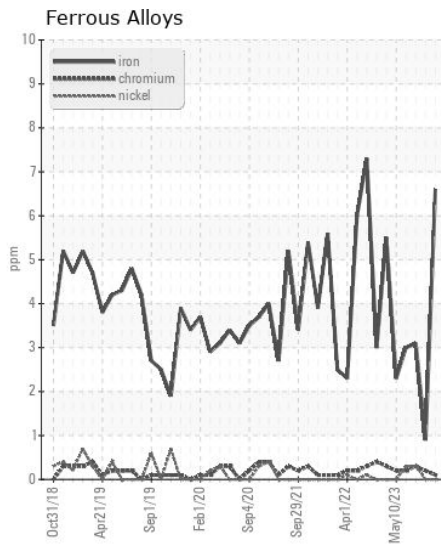
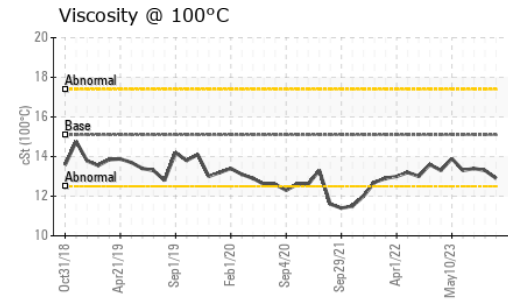
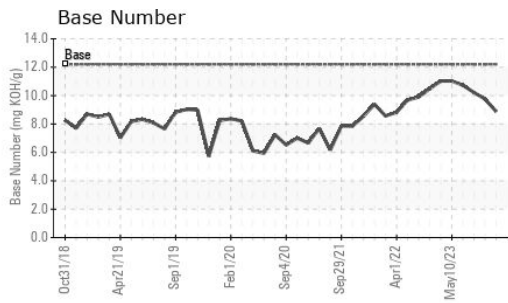
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>20	<b>8</b>	5	6
Potassium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	0	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		<b>0.2</b>	0.2	0.1
Nitration	Abs/cm	*ASTM D7624	>20	<b>6.1</b>	5.5	5.0
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>22.2</b>	22.0	21.8
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>0</b>	3	1
Boron	ppm	ASTM D5185m		<b>325</b>	357	322
Barium	ppm	ASTM D5185m		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m		<b>121</b>	114	122
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Magnesium	ppm	ASTM D5185m		<b>643</b>	604	573
Calcium	ppm	ASTM D5185m		<b>1673</b>	1615	1548
Phosphorus	ppm	ASTM D5185m	1360	<b>732</b>	647	631
Zinc	ppm	ASTM D5185m	1480	<b>818</b>	760	772
Sulfur	ppm	ASTM D5185m		<b>2631</b>	2487	2851
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>15.1</b>	14.9	14.6
Base Number (BN)	mg KOH/g	ASTM D2896	12.2	<b>8.88</b>	9.76	10.21
Visc @ 100°C	cSt	ASTM D445	15.1	<b>12.9</b>	13.3	13.4



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : MW0053557 **Received** : 12 Jan 2024  
**Lab Number** : 06060428 **Diagnosed** : 16 Jan 2024  
**Unique Number** : 10831810 **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)