



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

Machine Id  
**ATLANTIS**  
Component  
**Port Genset**  
Fluid  
**CHEVRON DELO 400 MULTIGRADE 15W40 (4 GAL)**

**RECOMMENDATION**

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>MW0057025</b>	MW0057029	MW0057034
Sample Date		Client Info		<b>15 Mar 2024</b>	03 Sep 2023	28 Jul 2023
Machine Age	hrs	Client Info		<b>36362</b>	34076	33621
Oil Age	hrs	Client Info		<b>500</b>	34076	500
Filter Age	hrs	Client Info		<b>500</b>	34076	500
Oil Changed		Client Info		<b>Changed</b>	N/A	Changed
Filter Changed		Client Info		<b>Changed</b>	N/A	Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

**WEAR**

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>50	<b>20</b>	6	8
Chromium	ppm	ASTM D5185m	>4	<b>1</b>	<1	<1
Nickel	ppm	ASTM D5185m	>2	<b>&lt;1</b>	0	<1
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Silver	ppm	ASTM D5185m	>5	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>12	<b>8</b>	4	5
Lead	ppm	ASTM D5185m	>17	<b>1</b>	0	<1
Copper	ppm	ASTM D5185m	>70	<b>3</b>	0	<1
Tin	ppm	ASTM D5185m	>15	<b>&lt;1</b>	<1	0
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

**CONTAMINATION**

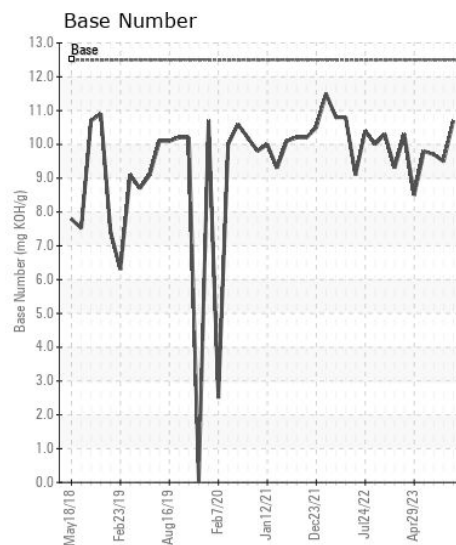
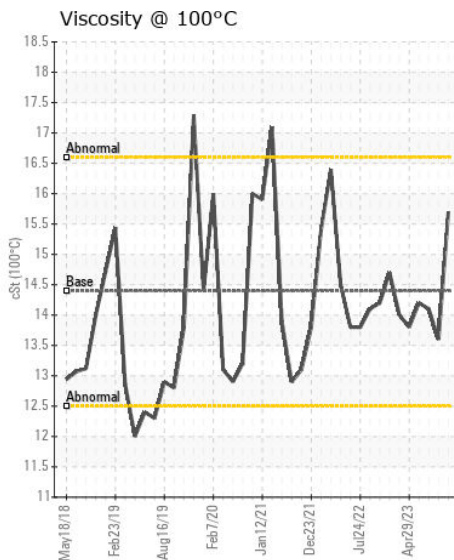
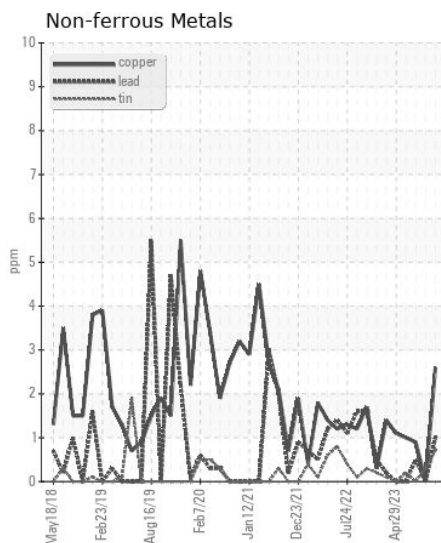
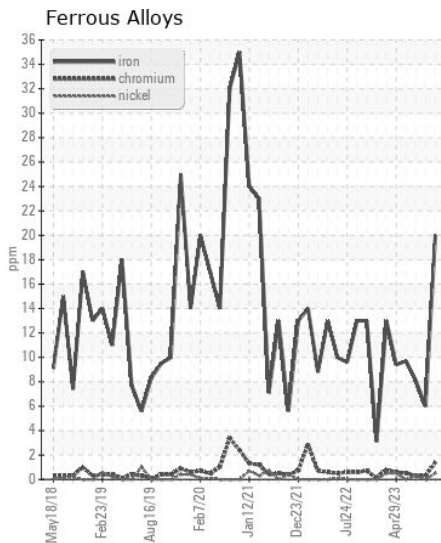
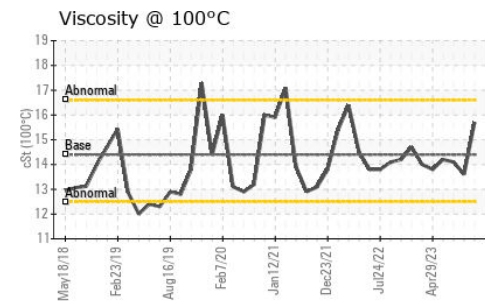
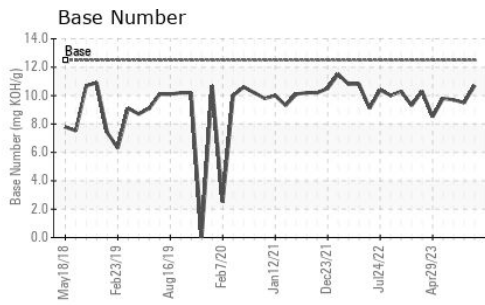
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	<b>12</b>	6	8
Potassium	ppm	ASTM D5185m	>20	<b>3</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>2.6</b>	0.4	0.4
Nitration	Abs/cm	*ASTM D7624	>20	<b>16.8</b>	10.1	12.6
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>31.8</b>	23.7	25.4
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		<b>2</b>	1	0
Boron	ppm	ASTM D5185m	151	<b>293</b>	249	203
Barium	ppm	ASTM D5185m	0.4	<b>&lt;1</b>	0	2
Molybdenum	ppm	ASTM D5185m	250	<b>205</b>	152	166
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Magnesium	ppm	ASTM D5185m	0	<b>1154</b>	834	851
Calcium	ppm	ASTM D5185m	2046	<b>2515</b>	1868	1953
Phosphorus	ppm	ASTM D5185m	1043	<b>1263</b>	799	842
Zinc	ppm	ASTM D5185m	943	<b>1454</b>	1026	1108
Sulfur	ppm	ASTM D5185m	5012	<b>3663</b>	3124	2847
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>28.2</b>	20.4	23.8
Base Number (BN)	mg KOH/g	ASTM D2896	12.5	<b>10.7</b>	9.5	9.7
Visc @ 100°C	cSt	ASTM D445	14.4	<b>15.7</b>	13.6	14.1



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513

Sample No. : MW0057025

Lab Number : 06125432

Unique Number : 10939583

Test Package : MAR 2

Received : 21 Mar 2024

Tested : 22 Mar 2024

Diagnosed : 25 Mar 2024 - Don Baldrige

**C & B MARINE**  
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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)