



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

Area

**EVEY T**

Machine Id

[EVEY T] 007 558474-7

Component

**Port Genset**

Fluid

**CHEVRON DELO 400 MULTIGRADE 15W40 (5 GAL)**

**RECOMMENDATION**

The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>MW0068554</b>	MW0063249	MW0063248
Sample Date		Client Info		<b>01 May 2024</b>	28 Mar 2024	18 Mar 2024
Machine Age	hrs	Client Info		<b>9834</b>	9671	9490
Oil Age	hrs	Client Info		<b>48</b>	181	1
Filter Age	hrs	Client Info		<b>48</b>	0	1
Oil Changed		Client Info		<b>Changed</b>	N/A	Changed
Filter Changed		Client Info		<b>Changed</b>	N/A	Changed
Sample Status				<b>ABNORMAL</b>	SEVERE	NORMAL

**WEAR**

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>50	<b>2</b>	5	7
Chromium	ppm	ASTM D5185m	>4	<b>&lt;1</b>	<1	<1
Nickel	ppm	ASTM D5185m	>2	<b>0</b>	<1	<1
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	1	<1
Silver	ppm	ASTM D5185m	>5	<b>0</b>	<1	0
Aluminum	ppm	ASTM D5185m	>12	<b>4</b>	4	4
Lead	ppm	ASTM D5185m	>17	<b>&lt;1</b>	<1	4
Copper	ppm	ASTM D5185m	>70	<b>&lt;1</b>	<1	1
Tin	ppm	ASTM D5185m	>15	<b>&lt;1</b>	<1	<1
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**

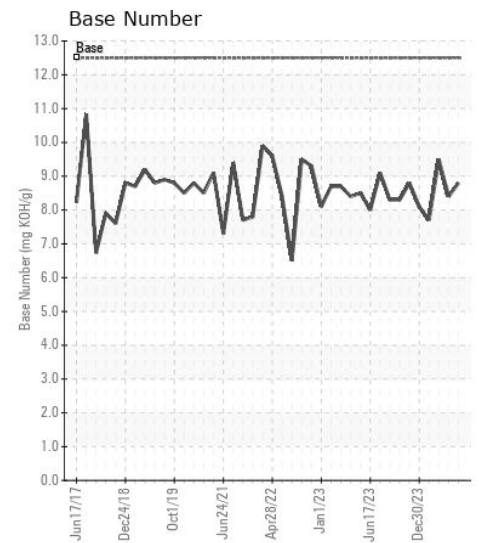
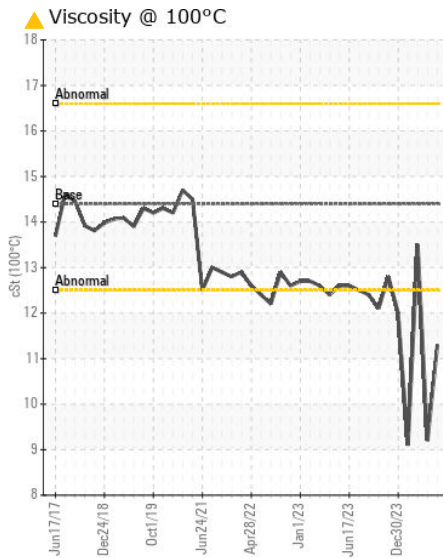
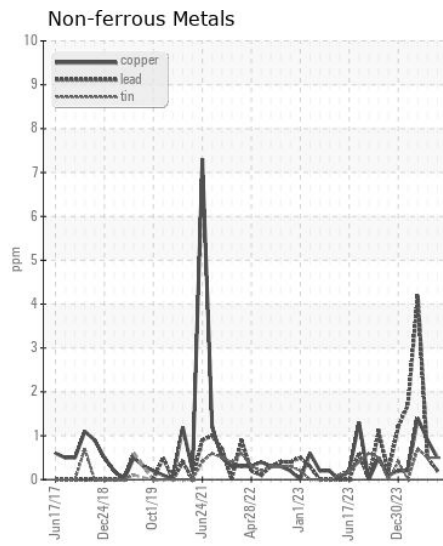
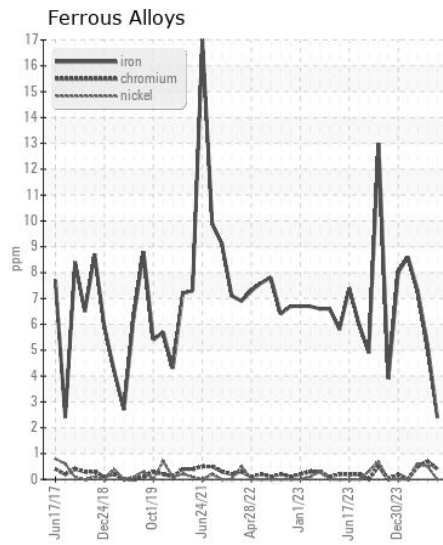
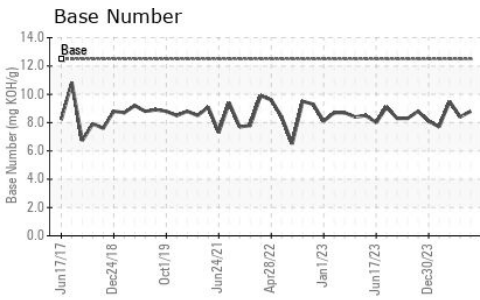
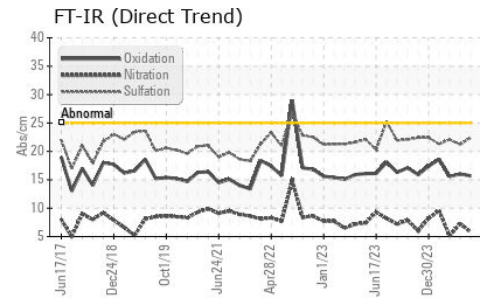
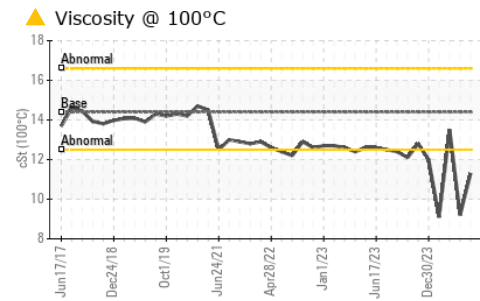
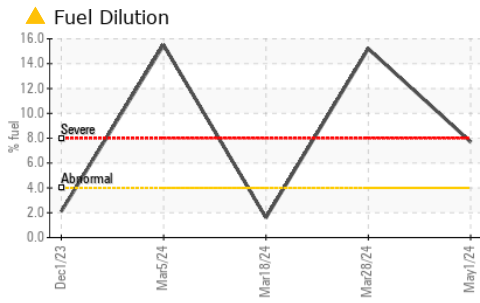
There is a moderate amount of fuel present in the oil. Tests confirm the presence of fuel in the oil.

Silicon	ppm	ASTM D5185m	>25	<b>5</b>	6	9
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	2	2
Fuel	%	ASTM D3524	>4.0	<b>▲ 7.7</b>	▲ 15.2	1.6
Water		WC Method	>0.1	<b>NEG</b>	NEG	NEG
Glycol		WC Method		<b>NEG</b>	NEG	NEG
Soot %	%	*ASTM D7844		<b>0.1</b>	0.1	0.1
Nitration	Abs/cm	*ASTM D7624	>20	<b>5.8</b>	7.3	5.1
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>22.4</b>	21.2	22.1
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. Fuel is present in the oil and is lowering the viscosity. The oil is no longer serviceable due to the presence of contaminants.

Sodium	ppm	ASTM D5185m		<b>0</b>	1	<1
Boron	ppm	ASTM D5185m	151	<b>424</b>	289	365
Barium	ppm	ASTM D5185m	0.4	<b>2</b>	0	<1
Molybdenum	ppm	ASTM D5185m	250	<b>127</b>	102	124
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	1	<1
Magnesium	ppm	ASTM D5185m	0	<b>595</b>	544	628
Calcium	ppm	ASTM D5185m	2046	<b>1420</b>	1259	1460
Phosphorus	ppm	ASTM D5185m	1043	<b>716</b>	606	699
Zinc	ppm	ASTM D5185m	943	<b>765</b>	692	791
Sulfur	ppm	ASTM D5185m	5012	<b>2550</b>	2311	2556
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>15.7</b>	16.0	15.6
Base Number (BN)	mg KOH/g	ASTM D2896	12.5	<b>8.8</b>	8.4	9.5
Visc @ 100°C	cSt	ASTM D445	14.4	<b>▲ 11.3</b>	▲ 9.2	13.5



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : MW0068554 **Received** : 10 May 2024  
**Lab Number** : 06176596 **Tested** : 15 May 2024  
**Unique Number** : 11022649 **Diagnosed** : 15 May 2024 - Wes Davis  
**Test Package** : MAR 2 ( Additional Tests: PercentFuel )

**INGRAM BARGE**  
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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)