



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

Area  
**GALE C**  
Machine Id  
**[GALE C] 007 550006-7**  
Component  
**Port Genset**  
Fluid  
**CHEVRON DELO 400 LE 15W40 (6 GAL)**

**RECOMMENDATION**

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>MW0065707</b>	MW0058516	MW0058605
Sample Date		Client Info		<b>07 Mar 2024</b>	03 Jan 2024	19 Sep 2023
Machine Age	hrs	Client Info		<b>23233</b>	22424	21148
Oil Age	hrs	Client Info		<b>438</b>	414	380
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	NORMAL

**WEAR**

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>50	<b>13</b>	13	12
Chromium	ppm	ASTM D5185m	>4	<b>&lt;1</b>	<1	<1
Nickel	ppm	ASTM D5185m	>2	<b>&lt;1</b>	<1	<1
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	1
Silver	ppm	ASTM D5185m	>5	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>12	<b>6</b>	4	4
Lead	ppm	ASTM D5185m	>17	<b>2</b>	<1	<1
Copper	ppm	ASTM D5185m	>70	<b>&lt;1</b>	1	2
Tin	ppm	ASTM D5185m	>15	<b>&lt;1</b>	<1	<1
Vanadium	ppm	ASTM D5185m		<b>0</b>	<1	<1
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

**CONTAMINATION**

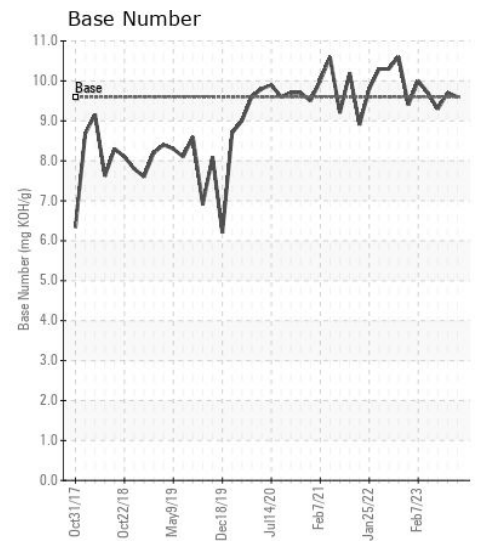
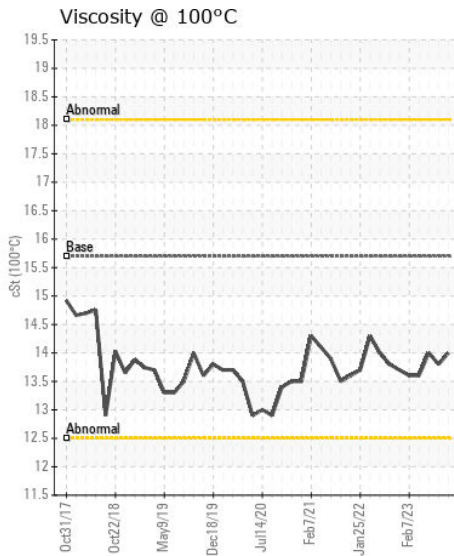
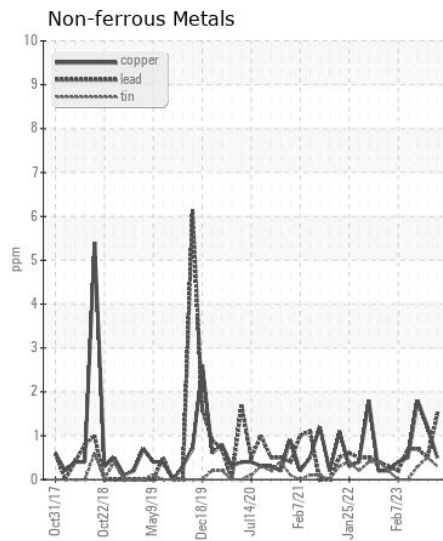
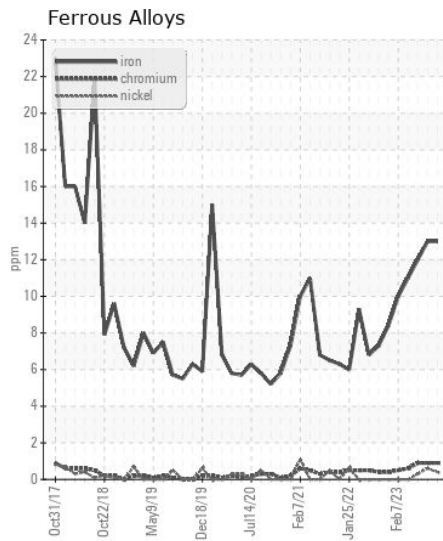
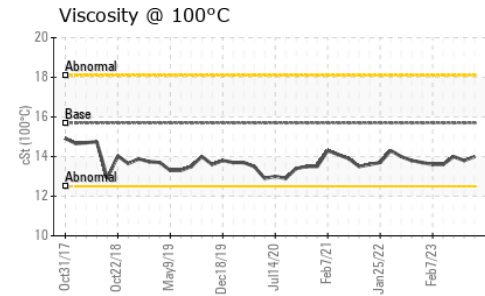
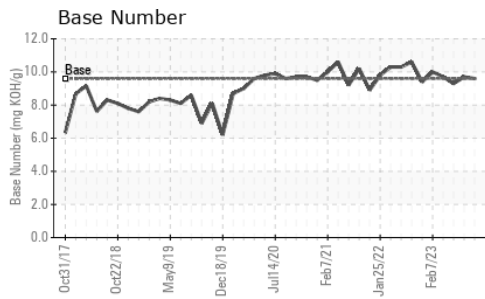
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	<b>8</b>	13	8
Potassium	ppm	ASTM D5185m	>20	<b>12</b>	2	<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	0.2
Nitration	Abs/cm	*ASTM D7624	>20	<b>7.8</b>	8.1	7.7
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>23.9</b>	23.9	23.6
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		<b>3</b>	0	2
Boron	ppm	ASTM D5185m		<b>356</b>	339	373
Barium	ppm	ASTM D5185m		<b>0</b>	1	4
Molybdenum	ppm	ASTM D5185m		<b>141</b>	146	137
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	2	1
Magnesium	ppm	ASTM D5185m		<b>791</b>	717	715
Calcium	ppm	ASTM D5185m		<b>1811</b>	1669	1680
Phosphorus	ppm	ASTM D5185m	1200	<b>870</b>	813	741
Zinc	ppm	ASTM D5185m	1300	<b>1041</b>	954	872
Sulfur	ppm	ASTM D5185m	3200	<b>3092</b>	2792	2490
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>18.4</b>	18.3	17.4
Base Number (BN)	mg KOH/g	ASTM D2896	9.6	<b>9.6</b>	9.7	9.3
Visc @ 100°C	cSt	ASTM D445	15.7	<b>14.0</b>	13.8	14.0



Certificate L2367

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

**Sample No.** : MW0065707

**Lab Number** : 06121501

**Unique Number** : 10930334

**Test Package** : MAR 2

**Received** : 18 Mar 2024

**Tested** : 19 Mar 2024

**Diagnosed** : 19 Mar 2024 - Wes Davis

**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

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)