



Machine Id  
**GERALD SHREVE (S/N RG-6090G008016)**  
Component  
**Port Genset**  
Fluid  
**CHEVRON DELO 710 LS (10 GAL)**

**RECOMMENDATION**

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>MW0066683</b>	MW0066682	MW0050344
Sample Date		Client Info		<b>07 Jun 2024</b>	25 Feb 2024	29 Dec 2023
Machine Age	hrs	Client Info		<b>735</b>	45986	45422
Oil Age	hrs	Client Info		<b>200</b>	287	256
Filter Age	hrs	Client Info		<b>200</b>	287	256
Oil Changed		Client Info		<b>Changed</b>	Changed	Changed
Filter Changed		Client Info		<b>Changed</b>	Changed	Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

**WEAR**

All component wear rates are normal.

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

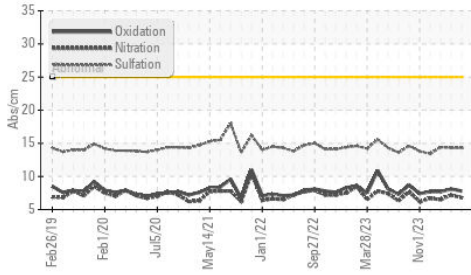
Silicon	ppm	ASTM D5185m	>25	<b>2</b>	3	3
Potassium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	2	2
Fuel		WC Method	>4.0	<b>&lt;1.0</b>	<1.0	<1.0
Water		WC Method	>0.1	<b>NEG</b>	NEG	NEG
Glycol		WC Method		<b>NEG</b>	NEG	NEG
Soot %	%	*ASTM D7844		<b>0.1</b>	0.1	0.1
Nitration	Abs/cm	*ASTM D7624	>20	<b>6.8</b>	7.2	6.5
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>14.3</b>	14.3	14.4
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**

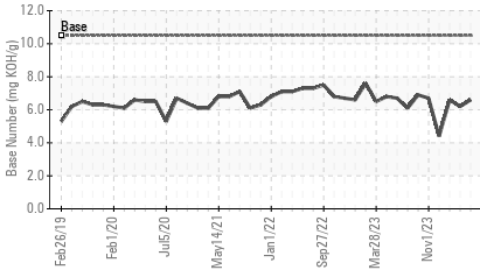
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185m		<b>&lt;1</b>	1	6
Boron	ppm	ASTM D5185m		<b>52</b>	48	51
Barium	ppm	ASTM D5185m		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m		<b>54</b>	44	48
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	<1	0
Magnesium	ppm	ASTM D5185m		<b>84</b>	30	26
Calcium	ppm	ASTM D5185m		<b>3094</b>	3191	3083
Phosphorus	ppm	ASTM D5185m		<b>72</b>	19	7
Zinc	ppm	ASTM D5185m		<b>83</b>	15	12
Sulfur	ppm	ASTM D5185m		<b>2414</b>	2134	1982
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>7.8</b>	8.1	7.7
Base Number (BN)	mg KOH/g	ASTM D2896	10.5	<b>6.6</b>	6.2	6.6
Visc @ 100°C	cSt	ASTM D445	15.5	<b>13.9</b>	14.5	14.4

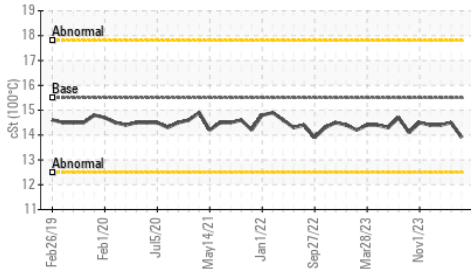
**FT-IR (Direct Trend)**



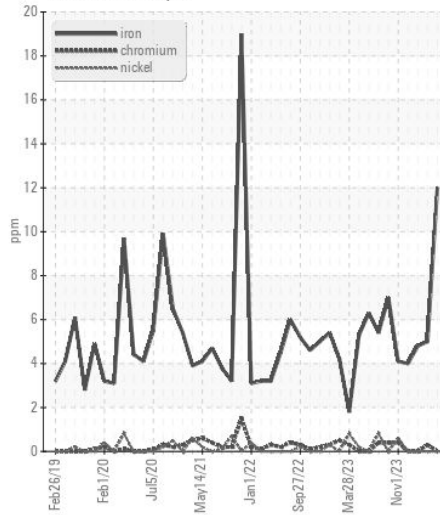
**Base Number**



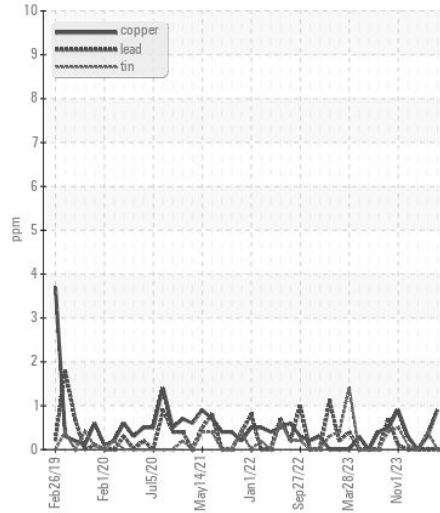
**Viscosity @ 100°C**



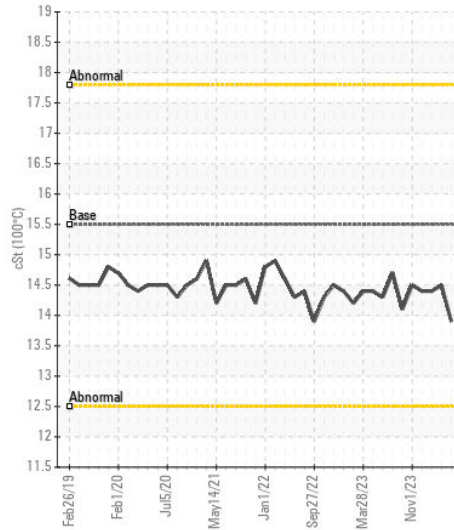
**Ferrous Alloys**



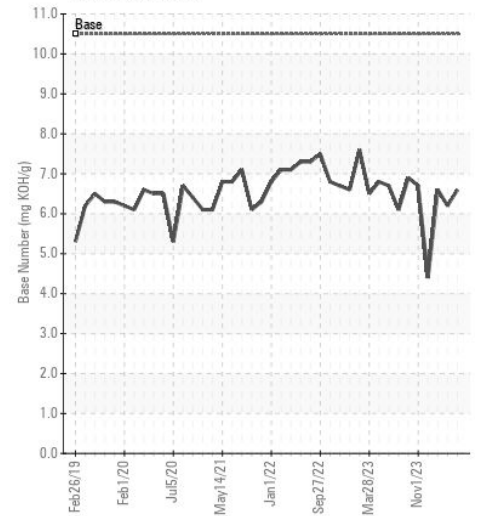
**Non-ferrous Metals**



**Viscosity @ 100°C**



**Base Number**



Certificate L2367

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

**Sample No.** : MW0066683

**Lab Number** : 06238851

**Unique Number** : 11127685

**Test Package** : MAR 2

**Received** : 17 Jul 2024

**Tested** : 17 Jul 2024

**Diagnosed** : 18 Jul 2024 - Sean Felton

**AMERICAN COMMERCIAL LINES**

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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)