



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

Machine Id  
**CAPT RICKIE JOHNSON (S/N PE6068G838012)**

Component  
**Port Genset**

Fluid  
**CHEVRON DELO 710 LE (8 GAL)**

**RECOMMENDATION**

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>MWM727715</b>	MWM727685	MWM727694
Sample Date		Client Info		<b>27 Dec 2023</b>	08 Nov 2023	08 Oct 2023
Machine Age	hrs	Client Info		<b>42895</b>	4380	3823
Oil Age	hrs	Client Info		<b>282</b>	320	180
Filter Age	hrs	Client Info		<b>0</b>	0	0
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>6</b>	11	3
Chromium	ppm	ASTM D5185m	>4	<b>&lt;1</b>	<1	<1
Nickel	ppm	ASTM D5185m	>2	<b>0</b>	<1	0
Titanium	ppm	ASTM D5185m		<b>0</b>	<1	<1
Silver	ppm	ASTM D5185m	>5	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>12	<b>2</b>	2	2
Lead	ppm	ASTM D5185m	>17	<b>0</b>	4	0
Copper	ppm	ASTM D5185m	>70	<b>1</b>	2	<1
Tin	ppm	ASTM D5185m	>15	<b>0</b>	<1	<1
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

**CONTAMINATION**

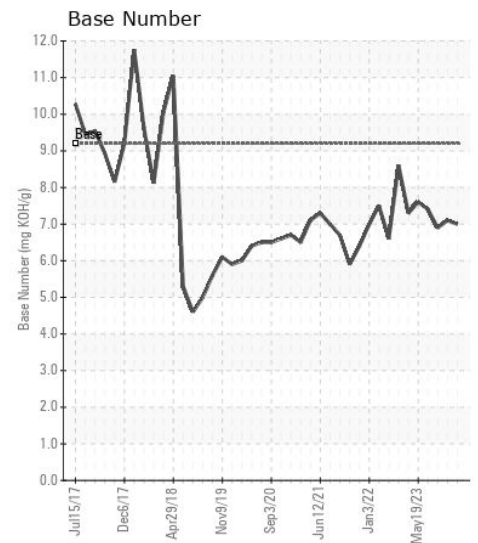
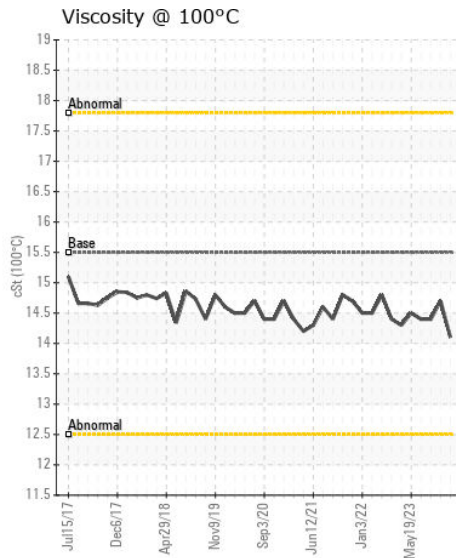
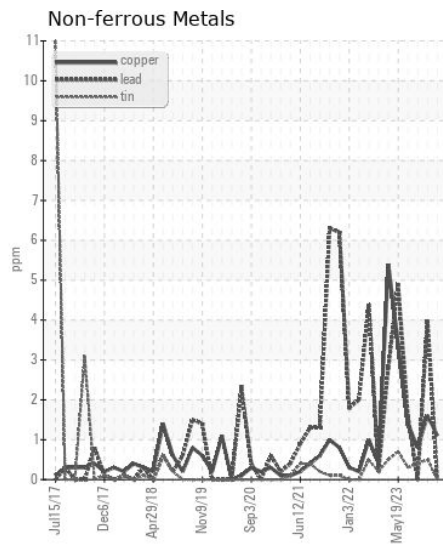
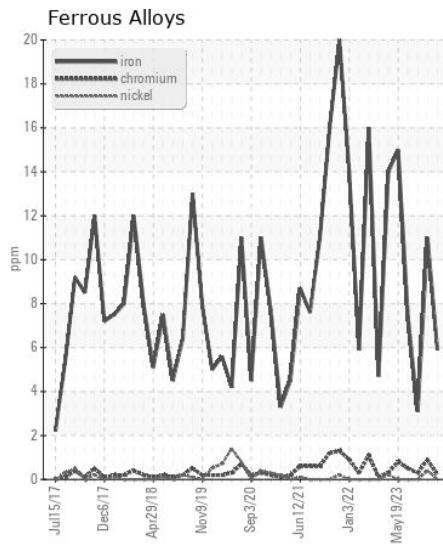
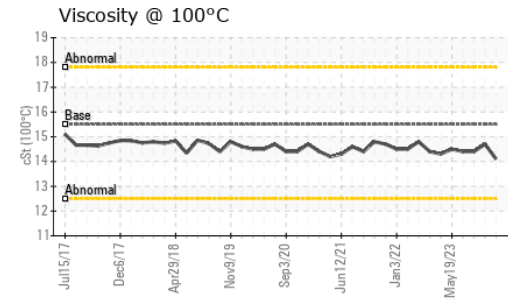
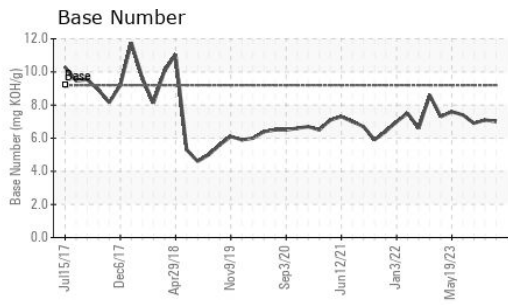
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	<b>3</b>	4	2
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	4	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>0.2</b>	0.1	0.1
Nitration	Abs/cm	*ASTM D7624	>20	<b>7.2</b>	9.7	8.9
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>15.1</b>	16.0	15.6
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>1</b>	0	2
Boron	ppm	ASTM D5185m		<b>45</b>	37	33
Barium	ppm	ASTM D5185m		<b>0</b>	8	0
Molybdenum	ppm	ASTM D5185m		<b>41</b>	45	37
Manganese	ppm	ASTM D5185m		<b>0</b>	<1	<1
Magnesium	ppm	ASTM D5185m		<b>11</b>	14	12
Calcium	ppm	ASTM D5185m		<b>3576</b>	3830	3251
Phosphorus	ppm	ASTM D5185m		<b>45</b>	11	6
Zinc	ppm	ASTM D5185m	10	<b>0</b>	3	<1
Sulfur	ppm	ASTM D5185m		<b>3234</b>	3081	2314
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>8.1</b>	11.5	10.4
Base Number (BN)	mg KOH/g	ASTM D2896	9.2	<b>7.0</b>	7.1	6.9
Visc @ 100°C	cSt	ASTM D445	15.5	<b>14.1</b>	14.7	14.4



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : MWM727715 **Received** : 10 Jan 2024  
**Lab Number** : 06057192 **Diagnosed** : 11 Jan 2024  
**Unique Number** : 10823141 **Diagnostician** : Wes Davis  
**Test Package** : MAR 2

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)

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