



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

Area  
**ARTHUR J CARSON**  
Machine Id  
**[ARTHUR J CARSON] 007 556145-7**  
Component  
**Port Genset**  
Fluid  
**CHEVRON DELO 400 LE 15W40 (--- GAL)**

**RECOMMENDATION**

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>MW06100642</b>	MW06035538	MW0053553
Sample Date		Client Info		<b>04 Feb 2024</b>	03 Dec 2023	02 Aug 2023
Machine Age	hrs	Client Info		<b>15809</b>	14644	14003
Oil Age	hrs	Client Info		<b>0</b>	0	1
Filter Age	hrs	Client Info		<b>0</b>	0	1
Oil Changed		Client Info		<b>N/A</b>	N/A	Changed
Filter Changed		Client Info		<b>N/A</b>	N/A	Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

**WEAR**

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>50	<b>0</b>	5	2
Chromium	ppm	ASTM D5185m	>4	<b>0</b>	<1	0
Nickel	ppm	ASTM D5185m	>2	<b>0</b>	<1	0
Titanium	ppm	ASTM D5185m		<b>0</b>	<1	0
Silver	ppm	ASTM D5185m	>5	<b>0</b>	0	<1
Aluminum	ppm	ASTM D5185m	>12	<b>4</b>	3	5
Lead	ppm	ASTM D5185m	>17	<b>1</b>	<1	0
Copper	ppm	ASTM D5185m	>70	<b>0</b>	7	0
Tin	ppm	ASTM D5185m	>15	<b>0</b>	<1	0
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

**CONTAMINATION**

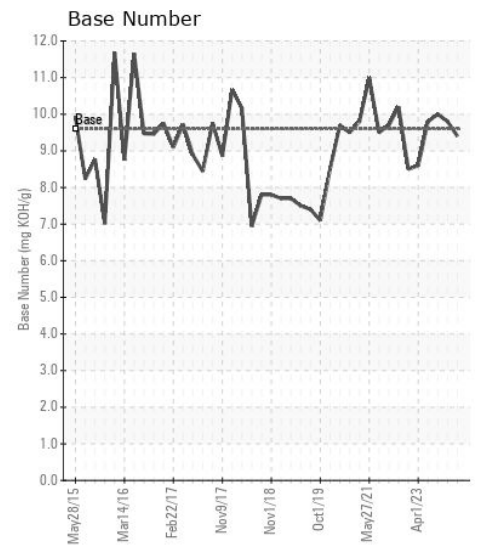
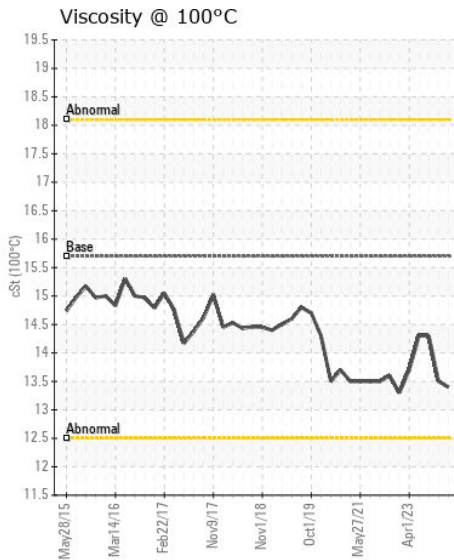
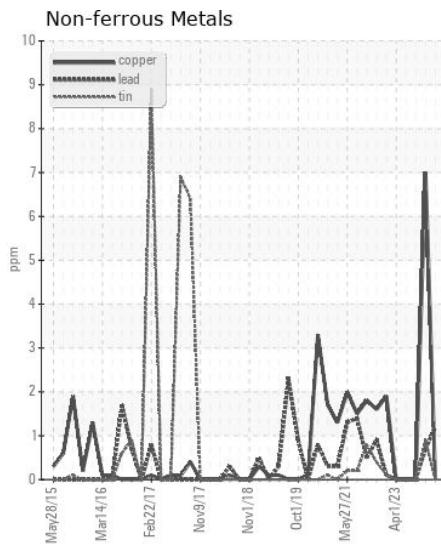
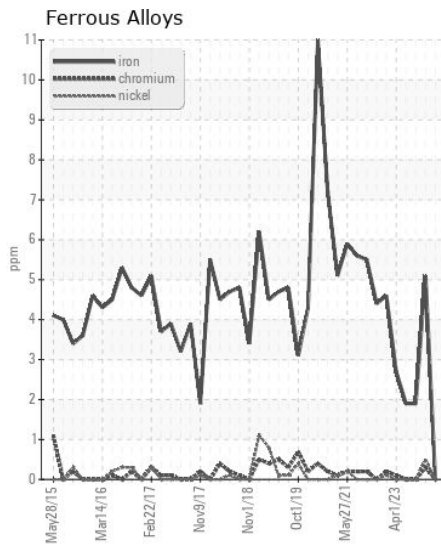
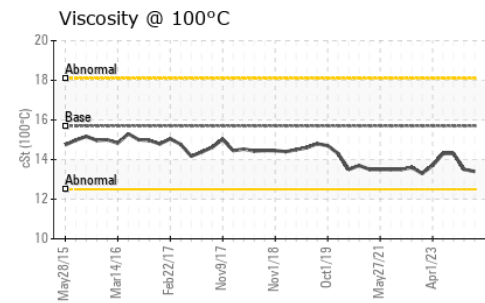
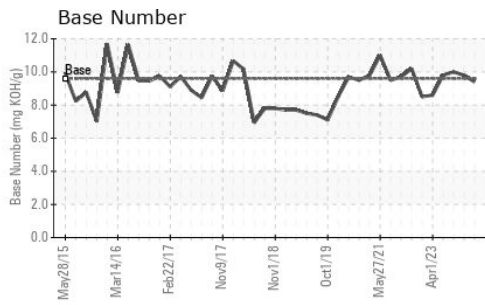
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	<b>5</b>	8	7
Potassium	ppm	ASTM D5185m	>20	<b>2</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>0.1</b>	0.1	0
Nitration	Abs/cm	*ASTM D7624	>20	<b>5.7</b>	5.9	4.4
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>23.2</b>	23.7	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>1</b>	0	<1
Boron	ppm	ASTM D5185m		<b>442</b>	373	384
Barium	ppm	ASTM D5185m		<b>0</b>	12	0
Molybdenum	ppm	ASTM D5185m		<b>126</b>	125	116
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Magnesium	ppm	ASTM D5185m		<b>670</b>	616	649
Calcium	ppm	ASTM D5185m		<b>1712</b>	1489	1483
Phosphorus	ppm	ASTM D5185m	1200	<b>766</b>	670	693
Zinc	ppm	ASTM D5185m	1300	<b>892</b>	821	850
Sulfur	ppm	ASTM D5185m	3200	<b>2540</b>	2799	2919
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>16.4</b>	16.4	15.4
Base Number (BN)	mg KOH/g	ASTM D2896	9.6	<b>9.4</b>	9.8	10.0
Visc @ 100°C	cSt	ASTM D445	15.7	<b>13.4</b>	13.5	14.3



Certificate L2367

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

**Sample No.** : MW06100642

**Lab Number** : 06100642

**Unique Number** : 10898872

**Test Package** : MAR 2

**Received** : 26 Feb 2024

**Tested** : 27 Feb 2024

**Diagnosed** : 27 Feb 2024 - Wes Davis

**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)