



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

Machine Id  
**DALE ROBINS**  
Component  
**Port Genset**  
Fluid  
**CHEVRON URSA SUPER PLUS 40 (3 GAL)**

**RECOMMENDATION**

Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>MW0059479</b>	MW0047395	MW0036433
Sample Date		Client Info		<b>16 Apr 2024</b>	31 Jan 2024	11 Jul 2023
Machine Age	hrs	Client Info		<b>10560</b>	9728	8320
Oil Age	hrs	Client Info		<b>768</b>	1280	800
Filter Age	hrs	Client Info		<b>768</b>	1280	800
Oil Changed		Client Info		<b>Changed</b>	Changed	Changed
Filter Changed		Client Info		<b>Changed</b>	Changed	Changed
Sample Status				<b>NORMAL</b>	ABNORMAL	NORMAL

**WEAR**

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>50	<b>4</b>	13	6
Chromium	ppm	ASTM D5185m	>4	<b>&lt;1</b>	<1	0
Nickel	ppm	ASTM D5185m	>2	<b>0</b>	0	0
Titanium	ppm	ASTM D5185m		<b>0</b>	0	<1
Silver	ppm	ASTM D5185m	>5	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>12	<b>&lt;1</b>	<1	2
Lead	ppm	ASTM D5185m	>17	<b>1</b>	▲ 34	<1
Copper	ppm	ASTM D5185m	>70	<b>2</b>	▲ 44	5
Tin	ppm	ASTM D5185m	>15	<b>2</b>	3	<1
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	<1
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

**CONTAMINATION**

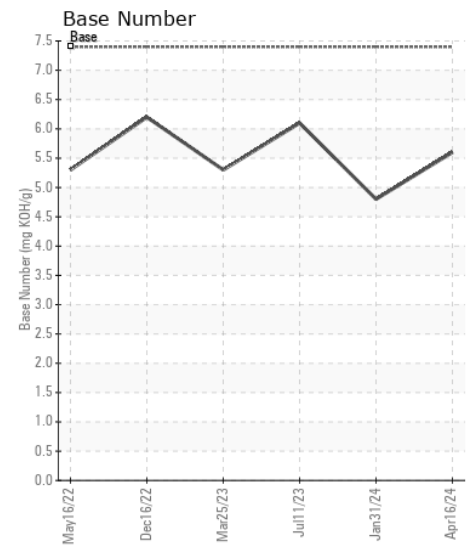
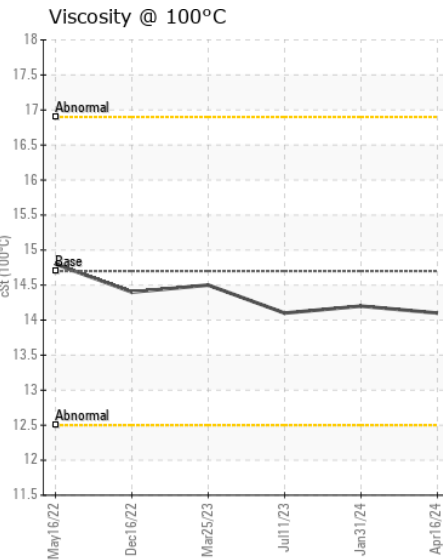
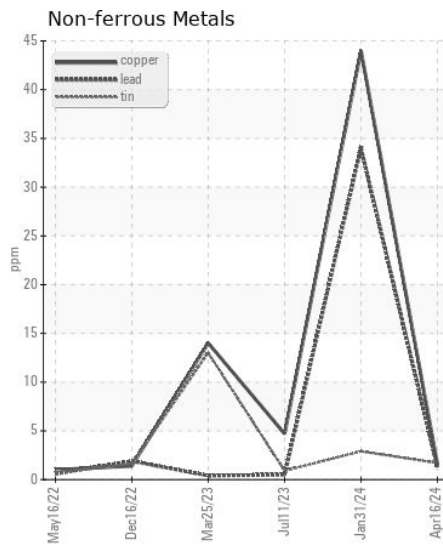
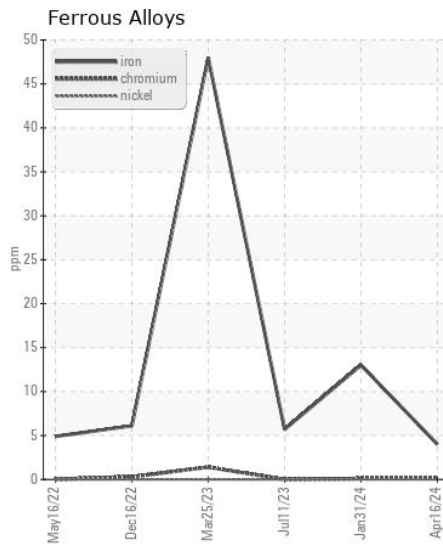
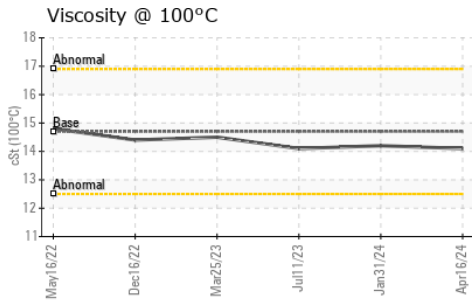
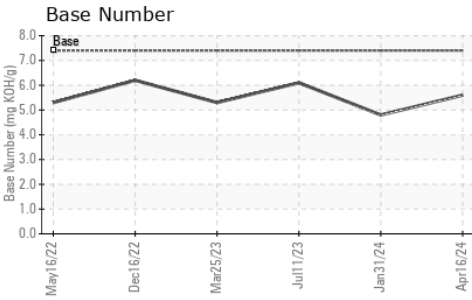
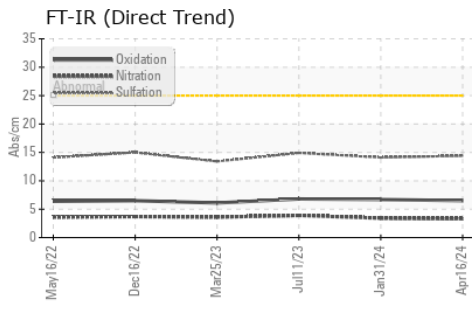
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	<b>5</b>	11	4
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	<1	0
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</b>	0.1	0.1
Nitration	Abs/cm	*ASTM D7624	>20	<b>3.3</b>	3.4	3.9
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>14.4</b>	14.1	14.9
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>2</b>	22	6
Boron	ppm	ASTM D5185m		<b>317</b>	124	301
Barium	ppm	ASTM D5185m		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m		<b>31</b>	29	31
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Magnesium	ppm	ASTM D5185m		<b>16</b>	18	38
Calcium	ppm	ASTM D5185m		<b>2466</b>	2012	2493
Phosphorus	ppm	ASTM D5185m	1000	<b>691</b>	627	644
Zinc	ppm	ASTM D5185m	1090	<b>793</b>	762	778
Sulfur	ppm	ASTM D5185m		<b>3043</b>	2379	3135
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>6.5</b>	6.7	6.8
Base Number (BN)	mg KOH/g	ASTM D2896	7.4	<b>5.6</b>	4.8	6.1
Visc @ 100°C	cSt	ASTM D445	14.7	<b>14.1</b>	14.2	14.1



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : MW0059479  
**Lab Number** : 06157286  
**Unique Number** : 10992709  
**Test Package** : MAR 2  
**Received** : 23 Apr 2024  
**Tested** : 24 Apr 2024  
**Diagnosed** : 24 Apr 2024 - Wes Davis

**OSAGE MARINE**  
 750 E DAVIS ST  
 ST LOUIS, MO  
 US 63111

Contact: MIKE KESSLER  
 mike.kessler@osagemarine.com

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)

T:  
F: