



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

Machine Id  
**RP GETTLEFINGER (S/N 732808.49)**  
Component  
**Port Genset**  
Fluid  
**CHEVRON DELO 400 XLE 15W40 (7 GAL)**

**RECOMMENDATION**

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>MW0055942</b>	MW0056020	MW0050464
Sample Date		Client Info		<b>06 Feb 2024</b>	27 Dec 2023	05 Jul 2023
Machine Age	hrs	Client Info		<b>45186</b>	44665	43302
Oil Age	hrs	Client Info		<b>521</b>	7	0
Filter Age	hrs	Client Info		<b>521</b>	7	0
Oil Changed		Client Info		<b>Changed</b>	N/A	Not Changd
Filter Changed		Client Info		<b>N/A</b>	N/A	Not Changd
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

**WEAR**

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>50	<b>6</b>	4	3
Chromium	ppm	ASTM D5185m	>4	<b>0</b>	0	0
Nickel	ppm	ASTM D5185m	>2	<b>0</b>	0	0
Titanium	ppm	ASTM D5185m		<b>15</b>	13	15
Silver	ppm	ASTM D5185m	>5	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>12	<b>1</b>	<1	<1
Lead	ppm	ASTM D5185m	>17	<b>0</b>	0	0
Copper	ppm	ASTM D5185m	>70	<b>0</b>	0	<1
Tin	ppm	ASTM D5185m	>15	<b>&lt;1</b>	0	<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**

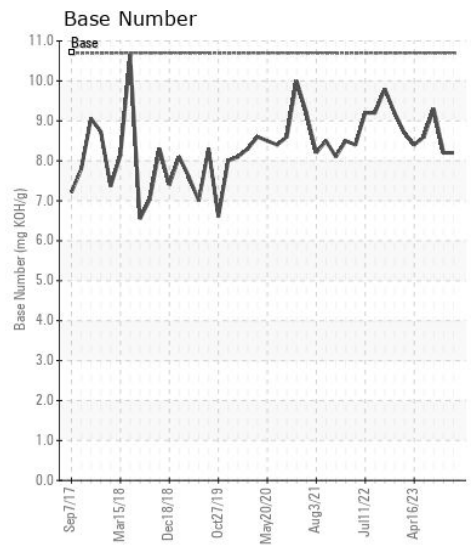
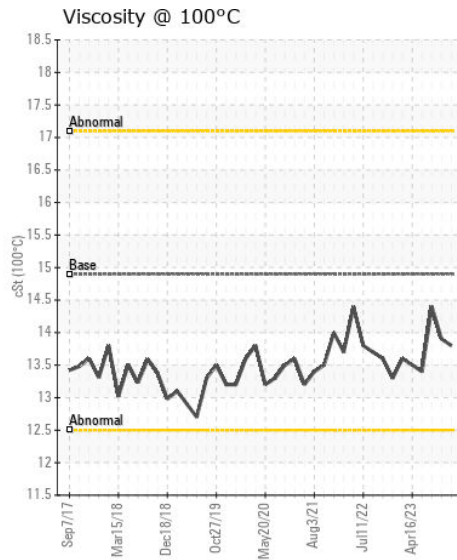
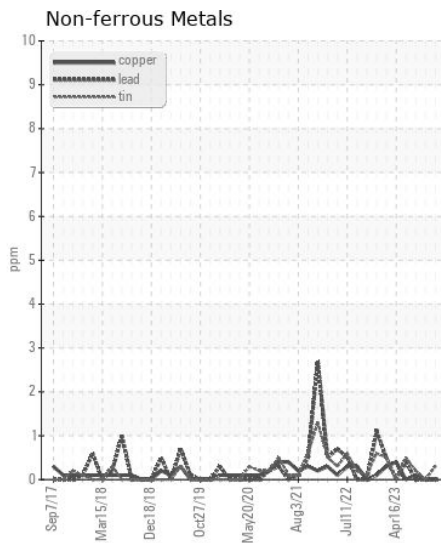
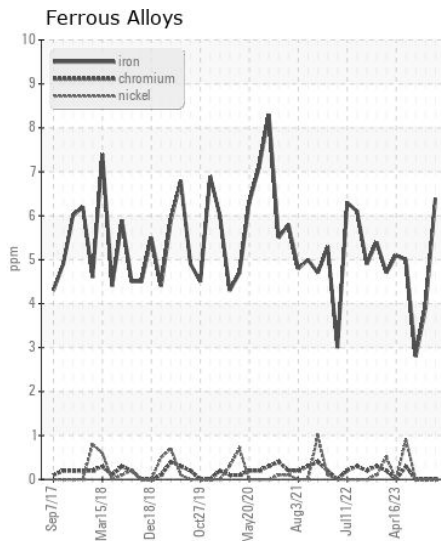
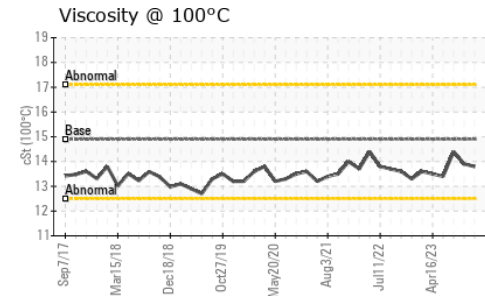
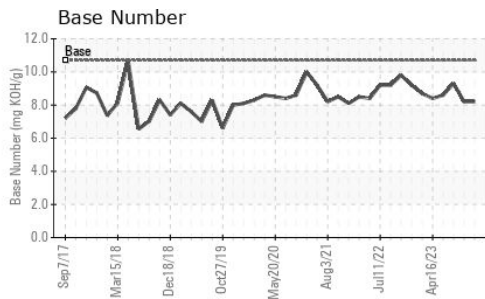
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	<b>4</b>	4	5
Potassium	ppm	ASTM D5185m	>20	<b>3</b>	2	3
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>7.6</b>	7.5	6.8
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>18.1</b>	18.4	18.4
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	LIGHT
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>	1	1
Boron	ppm	ASTM D5185m		<b>90</b>	87	99
Barium	ppm	ASTM D5185m		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m		<b>31</b>	29	27
Manganese	ppm	ASTM D5185m		<b>0</b>	0	<1
Magnesium	ppm	ASTM D5185m		<b>741</b>	757	726
Calcium	ppm	ASTM D5185m		<b>1537</b>	1525	1496
Phosphorus	ppm	ASTM D5185m	760	<b>729</b>	703	670
Zinc	ppm	ASTM D5185m	830	<b>851</b>	866	789
Sulfur	ppm	ASTM D5185m	2770	<b>3021</b>	3162	3614
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>13.0</b>	13.3	12.7
Base Number (BN)	mg KOH/g	ASTM D2896	10.7	<b>8.2</b>	8.2	9.3
Visc @ 100°C	cSt	ASTM D445	14.9	<b>13.8</b>	13.9	14.4



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : MW0055942  
**Lab Number** : 06097542  
**Unique Number** : 10890395  
**Test Package** : MAR 2

**Received** : 22 Feb 2024  
**Tested** : 23 Feb 2024  
**Diagnosed** : 24 Feb 2024 - Don Baldrige

**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)