



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

Machine Id  
**CHARLOTTE**  
Component  
**Port Reduction Gear**  
Fluid  
**CHEVRON DELO 400 SAE 40 (35 GAL)**

**RECOMMENDATION**

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>MW0056687</b>	MW0056701	MW0056696
Sample Date		Client Info		<b>10 Jan 2024</b>	06 Nov 2023	13 Sep 2023
Machine Age	hrs	Client Info		<b>12125</b>	11674	11247
Oil Age	hrs	Client Info		<b>1380</b>	930	504
Filter Age	hrs	Client Info		<b>690</b>	238	504
Oil Changed		Client Info		<b>Not Changed</b>	N/A	Changed
Filter Changed		Client Info		<b>Not Changed</b>	N/A	Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

**WEAR**

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>150	<b>2</b>	0	3
Chromium	ppm	ASTM D5185m	>10	<b>0</b>	0	0
Nickel	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	0
Titanium	ppm	ASTM D5185m		<b>0</b>	0	0
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>25	<b>2</b>	0	2
Lead	ppm	ASTM D5185m	>100	<b>1</b>	0	<1
Copper	ppm	ASTM D5185m	>50	<b>8</b>	7	10
Tin	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	0
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**

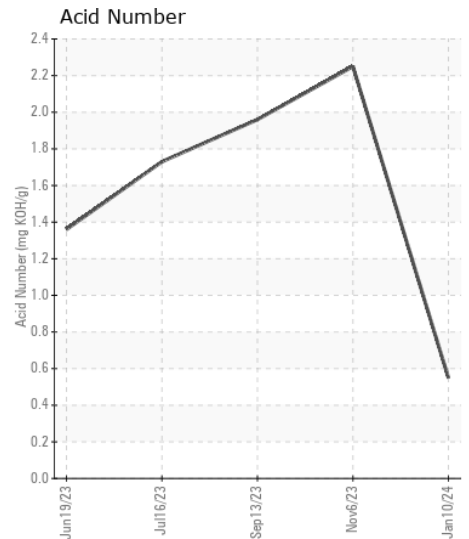
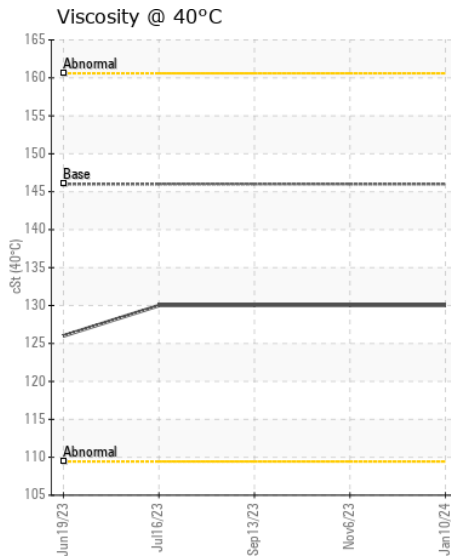
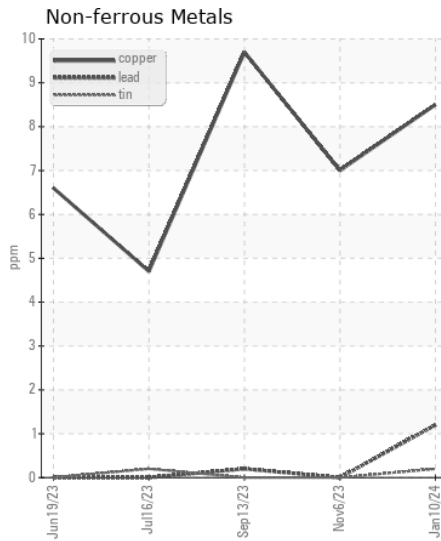
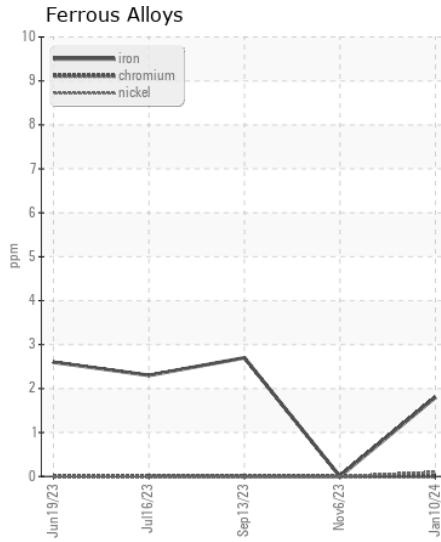
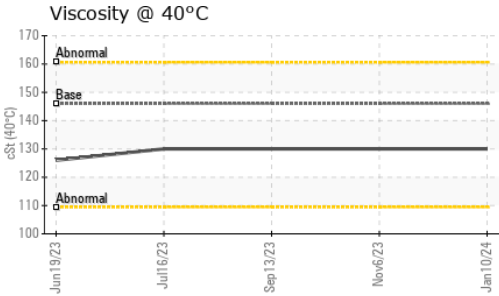
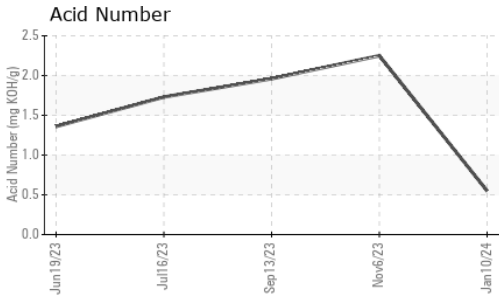
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>50	<b>4</b>	4	4
Potassium	ppm	ASTM D5185m	>20	<b>1</b>	0	<1
Water		WC Method	>0.1	<b>NEG</b>	NEG	NEG
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 AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185m		<b>3</b>	3	<1
Boron	ppm	ASTM D5185m		<b>187</b>	196	218
Barium	ppm	ASTM D5185m		<b>0</b>	0	2
Molybdenum	ppm	ASTM D5185m		<b>90</b>	83	97
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	0	<1
Magnesium	ppm	ASTM D5185m		<b>57</b>	57	56
Calcium	ppm	ASTM D5185m		<b>2980</b>	3283	3054
Phosphorus	ppm	ASTM D5185m	1160	<b>1102</b>	1024	1051
Zinc	ppm	ASTM D5185m	1270	<b>1188</b>	1199	1160
Sulfur	ppm	ASTM D5185m		<b>3697</b>	3753	3733
Acid Number (AN)	mg KOH/g	ASTM D8045		<b>0.55</b>	2.25	1.96
Visc @ 40°C	cSt	ASTM D445	146	<b>130</b>	130	130



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : MW0056687 **Recieved** : 30 Jan 2024  
**Lab Number** : 06074978 **Diagnosed** : 31 Jan 2024  
**Unique Number** : 10857069 **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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