



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

Area  
**CGL**  
Machine Id  
**CGL**  
Component  
**Hydraulic System**  
Fluid  
**CHEVRON HYDRAULIC AW ISO 68 (125 GAL)**

**RECOMMENDATION**

We recommend you service the filters on this component. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>MW0065532</b>	MW0065496	MW0050817
Sample Date		Client Info		<b>07 Jul 2024</b>	18 Apr 2024	10 Jan 2024
Machine Age	hrs	Client Info		<b>32055</b>	2896	767
Oil Age	hrs	Client Info		<b>5007</b>	2896	767
Filter Age	hrs	Client Info		<b>5007</b>	2896	767
Oil Changed		Client Info		<b>Not Changd</b>	N/A	N/A
Filter Changed		Client Info		<b>Not Changd</b>	N/A	N/A
Sample Status				<b>ABNORMAL</b>	NORMAL	ABNORMAL

**WEAR**

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>20	<b>&lt;1</b>	<1	3
Chromium	ppm	ASTM D5185m	>10	<b>&lt;1</b>	<1	<1
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	0	0
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Silver	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Aluminum	ppm	ASTM D5185m	>10	<b>4</b>	2	2
Lead	ppm	ASTM D5185m	>20	<b>0</b>	<1	<1
Copper	ppm	ASTM D5185m	>20	<b>&lt;1</b>	1	<1
Tin	ppm	ASTM D5185m	>10	<b>&lt;1</b>	<1	<1
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

**CONTAMINATION**

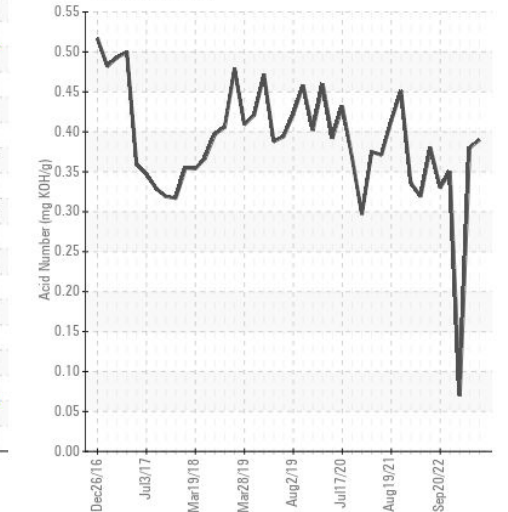
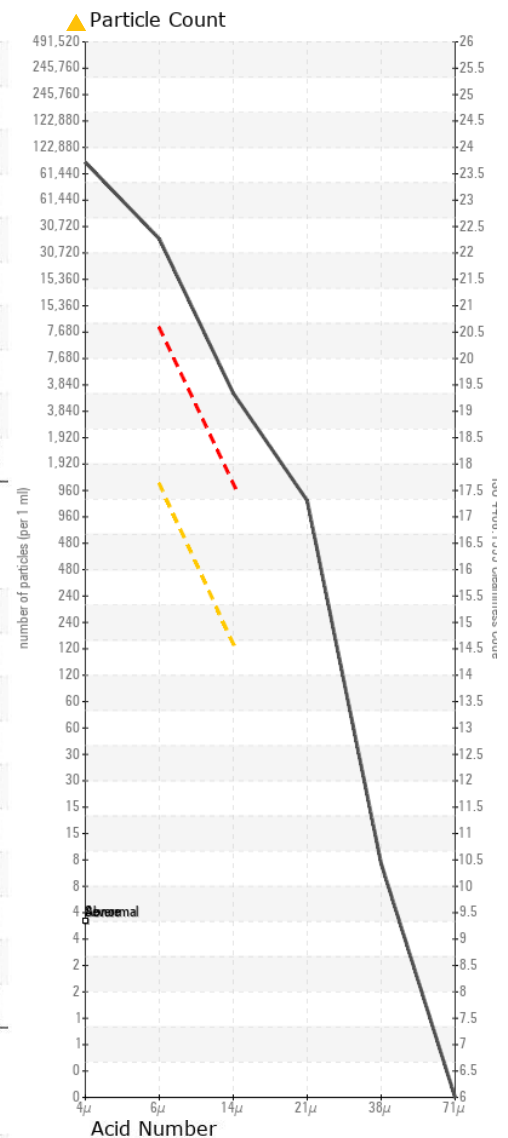
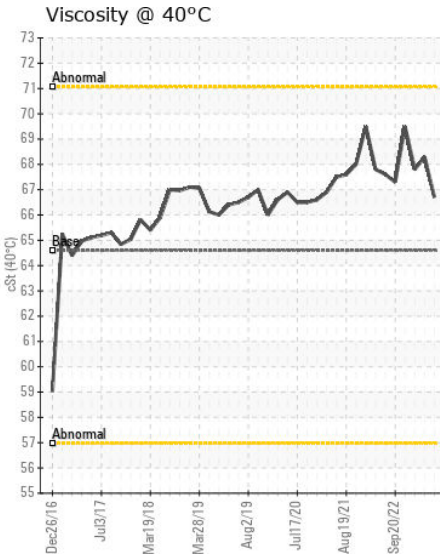
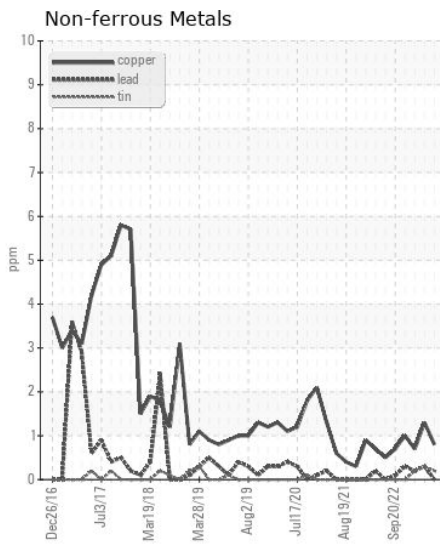
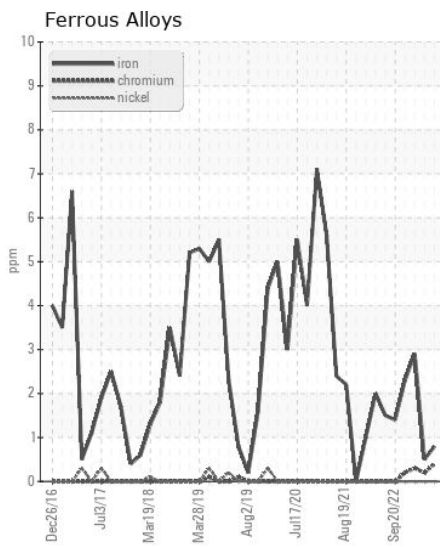
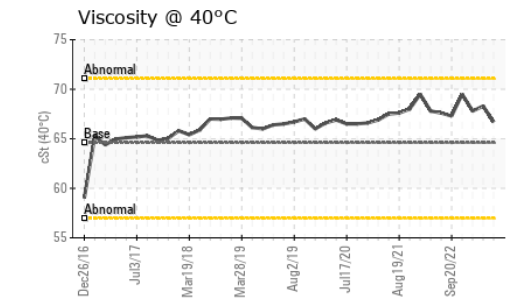
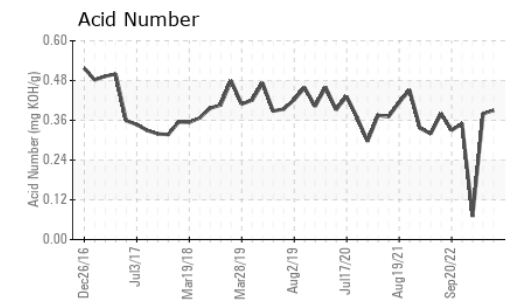
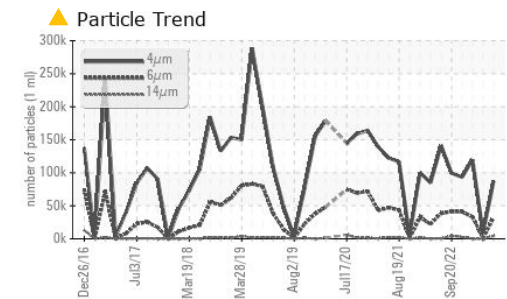
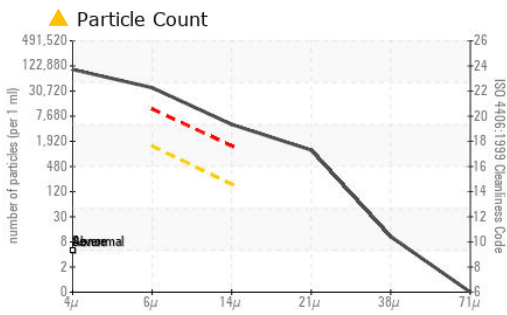
There is a high amount of particulates present in the oil.

Silicon	ppm	ASTM D5185m	>15	<b>0</b>	<1	0
Potassium	ppm	ASTM D5185m	>20	<b>1</b>	1	2
Water		WC Method	>0.05	<b>NEG</b>	NEG	NEG
Particles >4µm		ASTM D7647		<b>87185</b>	8677	119573
Particles >6µm		ASTM D7647	>1300	<b>▲ 32034</b>	898	▲ 33189
Particles >14µm		ASTM D7647	>160	<b>▲ 4250</b>	11	▲ 171
Particles >21µm		ASTM D7647	>40	<b>▲ 1041</b>	2	14
Particles >38µm		ASTM D7647	>10	<b>9</b>	0	1
Particles >71µm		ASTM D7647	>3	<b>0</b>	0	0
Oil Cleanliness		ISO 4406 (c)	>-/17/14	<b>▲ 24/22/19</b>	20/17/11	▲ 24/22/15
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	>0.05	<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>0</b>	0	0
Boron	ppm	ASTM D5185m		<b>0</b>	0	0
Barium	ppm	ASTM D5185m		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Manganese	ppm	ASTM D5185m		<b>0</b>	0	0
Magnesium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	0
Calcium	ppm	ASTM D5185m		<b>37</b>	38	42
Phosphorus	ppm	ASTM D5185m		<b>299</b>	310	265
Zinc	ppm	ASTM D5185m		<b>430</b>	391	429
Sulfur	ppm	ASTM D5185m		<b>747</b>	695	719
Acid Number (AN)	mg KOH/g	ASTM D8045		<b>0.39</b>	0.38	0.07
Visc @ 40°C	cSt	ASTM D445	64.6	<b>66.7</b>	68.3	67.8



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : MW0065532 **Received** : 18 Jul 2024  
**Lab Number** : 06240259 **Tested** : 19 Jul 2024  
**Unique Number** : 11129093 **Diagnosed** : 20 Jul 2024 - Don Baldridge  
**Test Package** : MAR 2

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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)