



# OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id  
**C-70 5400013**  
Component  
**Hydraulic System**  
Fluid  
**CHEVRON CLARITY HYDRAULIC AW 68 (50 GAL)**

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>WC0774605</b>	WCMC058941	---
Sample Date		Client Info		<b>24 Apr 2023</b>	30 Jan 2009	---
Machine Age	hrs	Client Info		<b>5663</b>	2792	---
Oil Age	hrs	Client Info		<b>250</b>	0	---
Filter Age	hrs	Client Info		<b>250</b>	0	---
Oil Changed		Client Info		<b>Changed</b>	N/A	---
Filter Changed		Client Info		<b>Changed</b>	N/A	---
Sample Status				<b>NORMAL</b>	ABNORMAL	---

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>50	<b>8</b>	4	---
Chromium	ppm	ASTM D5185m	>20	<b>1</b>	<1	---
Nickel	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	---
Titanium	ppm	ASTM D5185m		<b>0</b>	0	---
Silver	ppm	ASTM D5185m		<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m	>20	<b>1</b>	2	---
Lead	ppm	ASTM D5185m	>20	<b>0</b>	<1	---
Copper	ppm	ASTM D5185m	>20	<b>&lt;1</b>	<1	---
Tin	ppm	ASTM D5185m	>20	<b>&lt;1</b>	<1	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	VLITE	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---

## CONTAMINATION

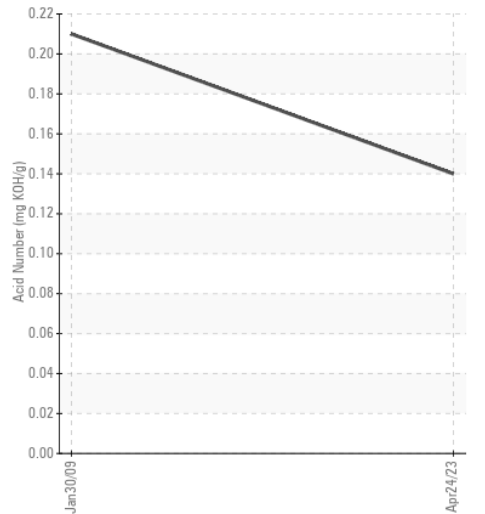
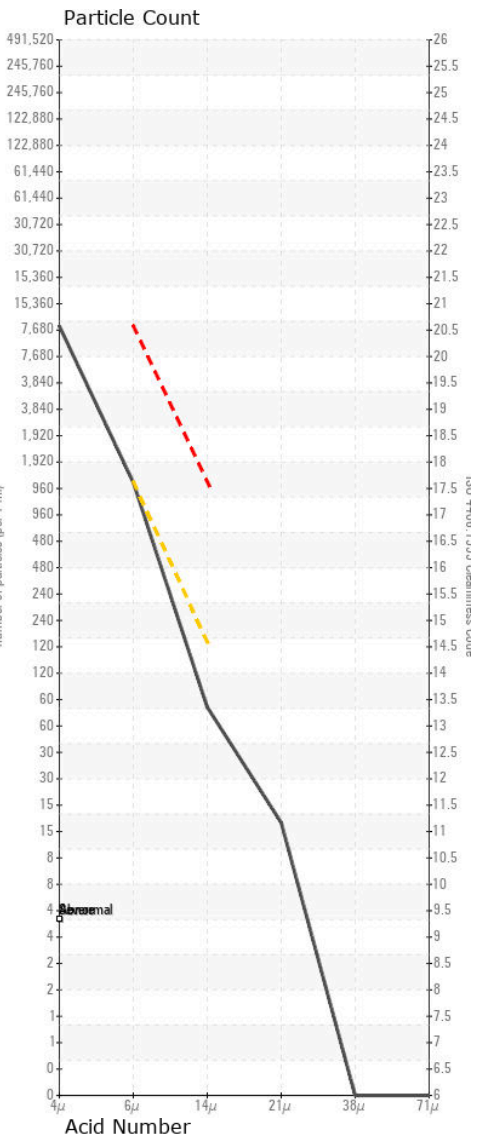
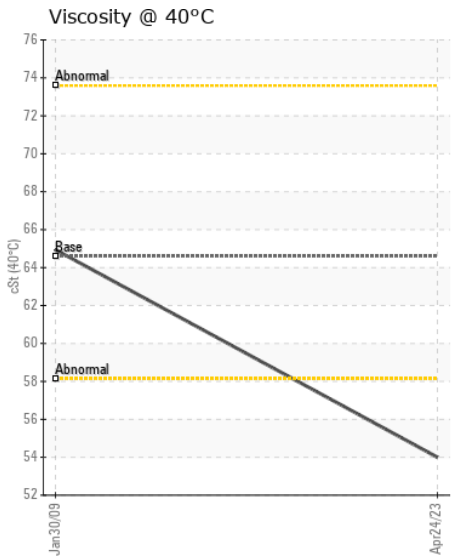
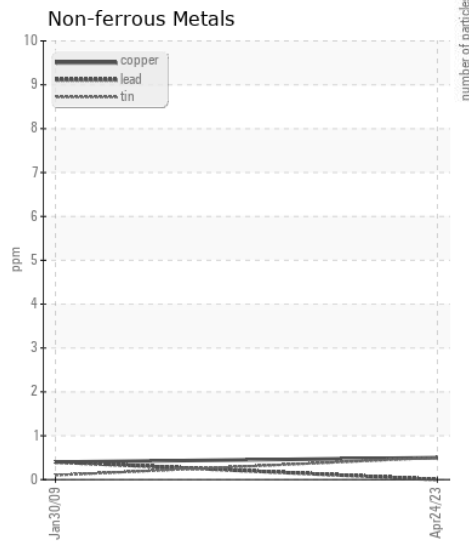
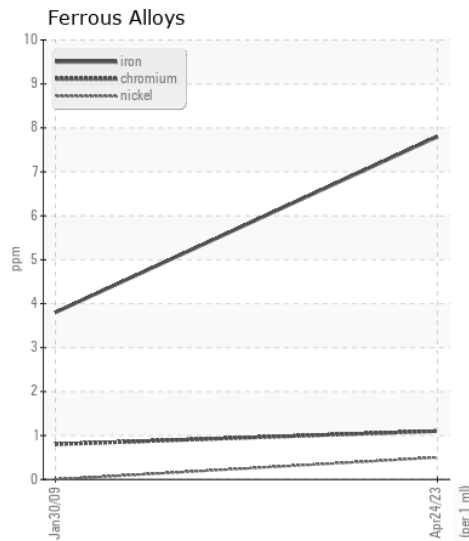
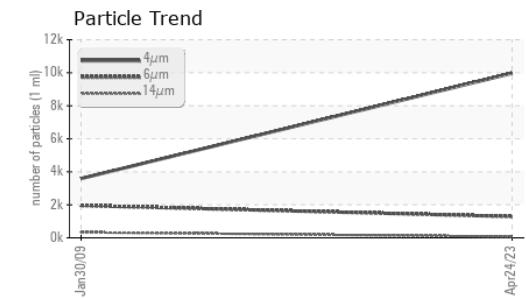
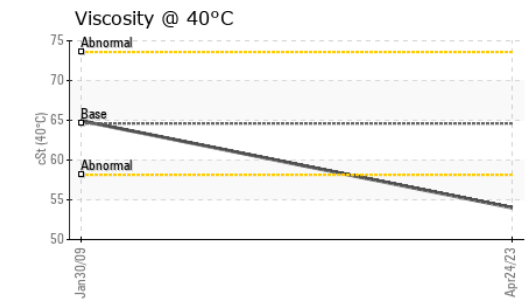
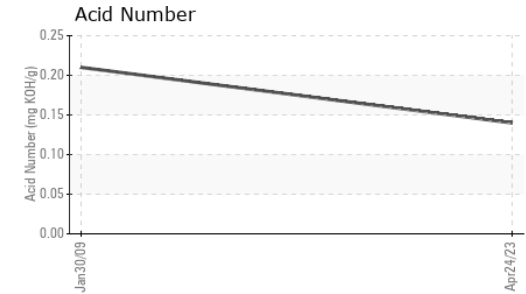
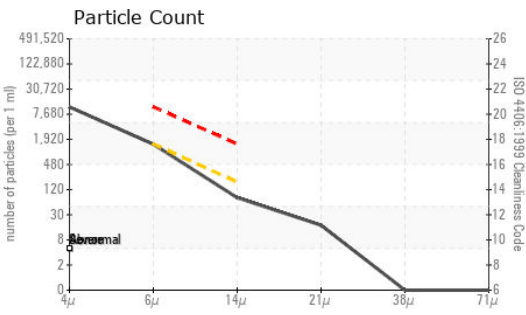
There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable.

Silicon	ppm	ASTM D5185m	>20	<b>3</b>	5	---
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	<1	---
Water		WC Method	>0.2	<b>NEG</b>	NEG	---
Particles >4µm		ASTM D7647		<b>9968</b>	3591	---
Particles >6µm		ASTM D7647	>1300	<b>1286</b>	▲ 1956	---
Particles >14µm		ASTM D7647	>160	<b>68</b>	▲ 333	---
Particles >21µm		ASTM D7647	>40	<b>15</b>	▲ 112	---
Particles >38µm		ASTM D7647	>10	<b>0</b>	▲ 17	---
Particles >71µm		ASTM D7647	>3	<b>0</b>	▲ 1	---
Oil Cleanliness		ISO 4406 (c)	>-/17/14	<b>20/17/13</b>	▲ 19/18/16	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Debris	scalar	*Visual	NONE	<b>NONE</b>	LIGHT	---
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Emulsified Water	scalar	*Visual	>0.2	<b>NEG</b>	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>1</b>	<1	---
Boron	ppm	ASTM D5185m		<b>0</b>	0	---
Barium	ppm	ASTM D5185m		<b>0</b>	4	---
Molybdenum	ppm	ASTM D5185m		<b>2</b>	0	---
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Magnesium	ppm	ASTM D5185m		<b>4</b>	5	---
Calcium	ppm	ASTM D5185m		<b>68</b>	13	---
Phosphorus	ppm	ASTM D5185m		<b>260</b>	240	---
Zinc	ppm	ASTM D5185m		<b>31</b>	8	---
Sulfur	ppm	ASTM D5185m		<b>516</b>	593	---
Acid Number (AN)	mg KOH/g	ASTM D8045		<b>0.14</b>	0.210	---
Visc @ 40°C	cSt	ASTM D445	64.6	<b>54.0</b>	64.94	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0774605 **Received** : 15 May 2023  
**Lab Number** : 05848010 **Diagnosed** : 16 May 2023  
**Unique Number** : 10472117 **Diagnostician** : Doug Bogart  
**Test Package** : CONST

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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