



# OIL ANALYSIS REPORT

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

Machine Id  
**30215**  
 Component  
**Hydraulic System**  
 Fluid  
**CHEVRON HYDRAULIC AW ISO 68 (--- QTS)**

## RECOMMENDATION

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

## WEAR

All component wear rates are normal.

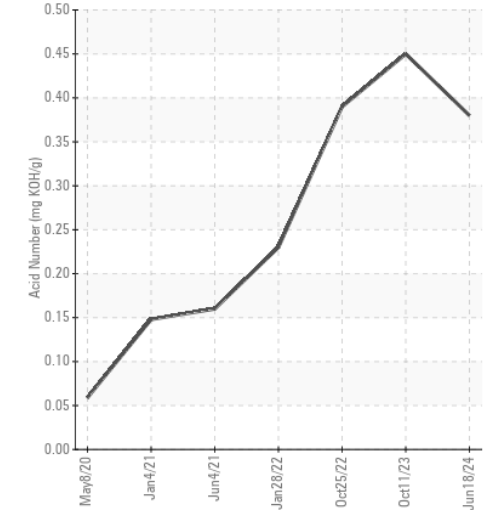
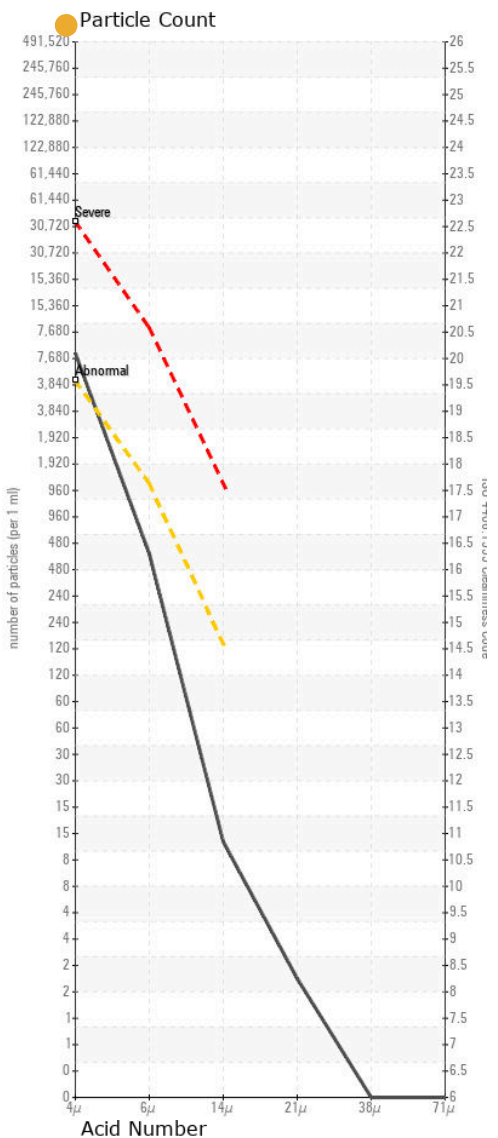
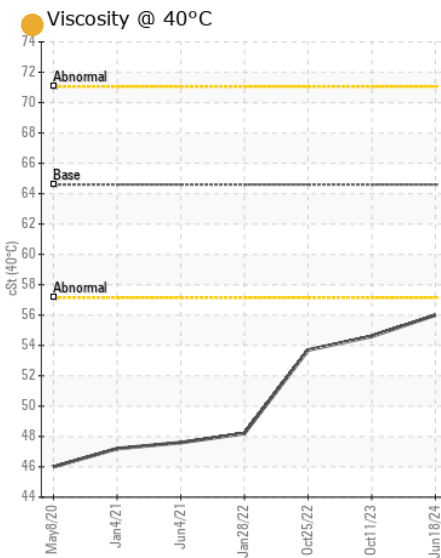
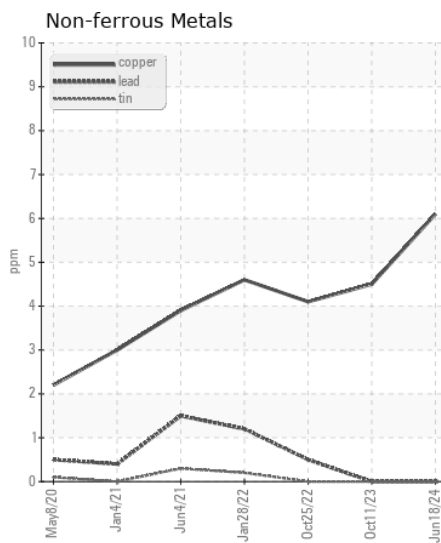
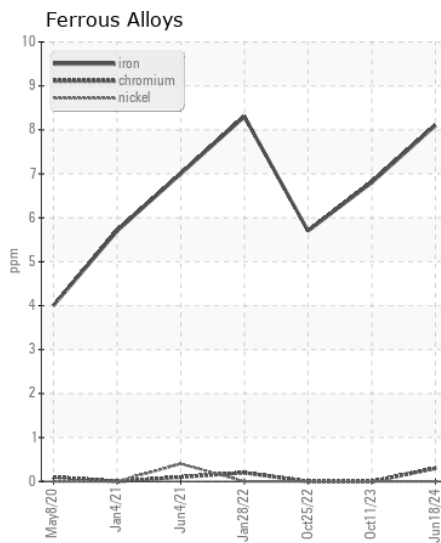
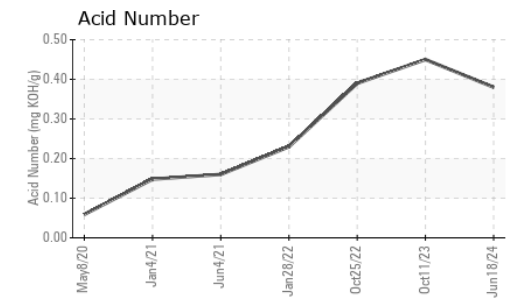
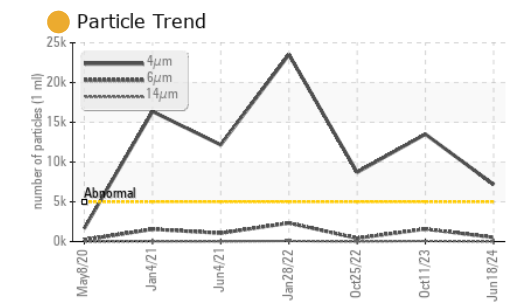
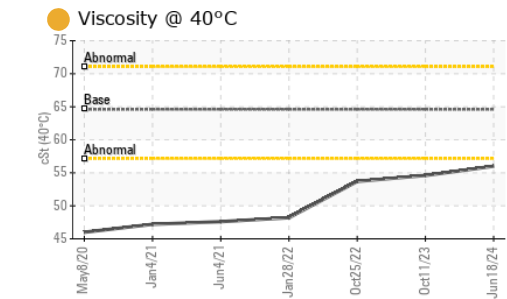
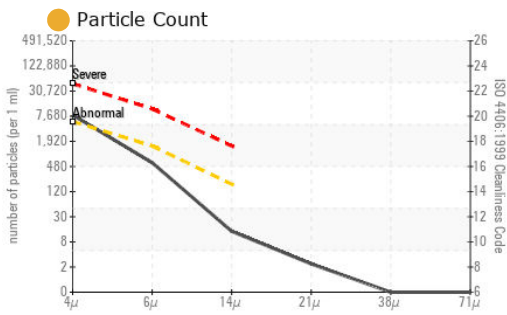
## CONTAMINATION

There is a moderate amount of silt (particulates < 14 microns in size) present in the oil. Moderate concentration of visible dirt/debris present in the oil.

## FLUID CONDITION

The oil viscosity is lower than normal. Confirm oil type. The AN level is acceptable for this fluid.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>WC0913576</b>	WC0856789	WC0733502
Sample Date		Client Info		<b>18 Jun 2024</b>	11 Oct 2023	25 Oct 2022
Machine Age	hrs	Client Info		<b>0</b>	3980	2771
Oil Age	hrs	Client Info		<b>0</b>	1000	551
Filter Age	hrs	Client Info		<b>0</b>	1000	551
Oil Changed		Client Info		<b>N/A</b>	Not Changd	Not Changd
Filter Changed		Client Info		<b>N/A</b>	Changed	Not Changd
Sample Status				<b>ABNORMAL</b>	ABNORMAL	ATTENTION
Iron	ppm	ASTM D5185m	>20	<b>8</b>	7	6
Chromium	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	0
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	0	0
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	0	<1
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>10	<b>2</b>	<1	<1
Lead	ppm	ASTM D5185m	>10	<b>0</b>	0	<1
Copper	ppm	ASTM D5185m	>75	<b>6</b>	4	4
Tin	ppm	ASTM D5185m	>10	<b>0</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
Silicon	ppm	ASTM D5185m	>20	<b>2</b>	2	2
Potassium	ppm	ASTM D5185m	>20	<b>1</b>	0	1
Water		WC Method	>0.1	<b>NEG</b>	NEG	NEG
Particles >4µm		ASTM D7647	>5000	<b>7173</b>	▲ 13501	● 8707
Particles >6µm		ASTM D7647	>1300	<b>520</b>	● 1574	416
Particles >14µm		ASTM D7647	>160	<b>12</b>	71	11
Particles >21µm		ASTM D7647	>40	<b>2</b>	16	4
Particles >38µm		ASTM D7647	>10	<b>0</b>	1	0
Particles >71µm		ASTM D7647	>3	<b>0</b>	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<b>20/16/11</b>	▲ 21/18/13	● 20/16/11
Silt	scalar	*Visual	NONE	<b>▲ MODER</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
Sodium	ppm	ASTM D5185m		<b>0</b>	<1	0
Boron	ppm	ASTM D5185m		<b>14</b>	14	13
Barium	ppm	ASTM D5185m		<b>0</b>	0	<1
Molybdenum	ppm	ASTM D5185m		<b>6</b>	6	5
Manganese	ppm	ASTM D5185m		<b>0</b>	0	<1
Magnesium	ppm	ASTM D5185m		<b>37</b>	40	34
Calcium	ppm	ASTM D5185m		<b>122</b>	153	131
Phosphorus	ppm	ASTM D5185m		<b>430</b>	445	416
Zinc	ppm	ASTM D5185m		<b>314</b>	301	292
Sulfur	ppm	ASTM D5185m		<b>910</b>	926	955
Acid Number (AN)	mg KOH/g	ASTM D8045		<b>0.38</b>	0.45	0.39
Visc @ 40°C	cSt	ASTM D445	64.6	<b>56.0</b>	● 54.6	● 53.7



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0913576  
**Lab Number** : 06214566  
**Unique Number** : 11087430  
**Test Package** : CONST  
**Received** : 19 Jun 2024  
**Tested** : 20 Jun 2024  
**Diagnosed** : 21 Jun 2024 - Don Baldrige

**SULLIVAN EASTERN INC**  
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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)