



# OIL ANALYSIS REPORT

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

Machine Id  
**ACCUPRESS 72501L EM023012 (S/N 5235)**

Component  
**Hydraulic System**

Fluid  
**CHEVRON HYDRAULIC AW ISO 68 (50 GAL)**

## RECOMMENDATION

We advise that you check all areas where contaminants can enter the system. We advise that you check for visible metal particles in the oil. The oil change at the time of sampling has been noted. The air breather requires service. If unrated, we recommend that you replace with a suitable micron rated and/or desiccant air breather. If rated, we recommend that you service/replace the breather. Resample in 30-45 days to monitor this situation.

## WEAR

Light concentration of visible metal present.

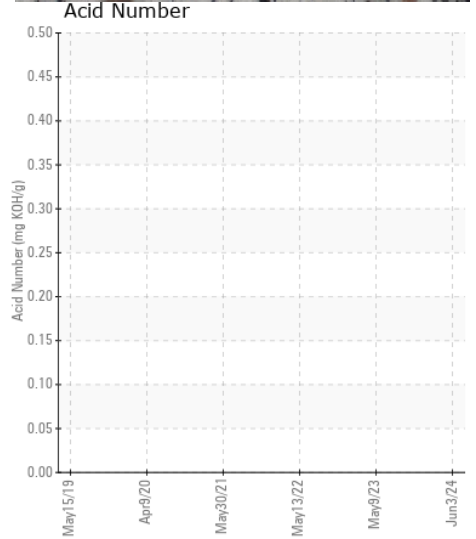
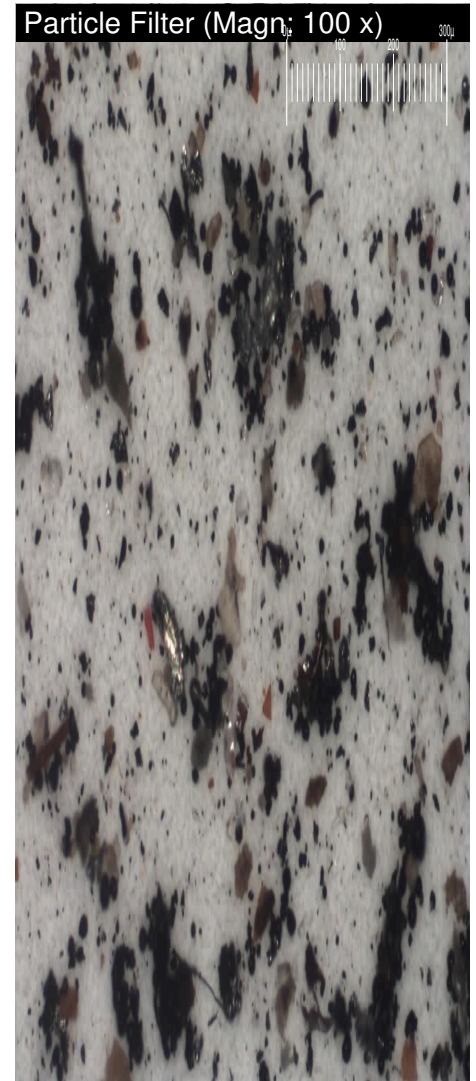
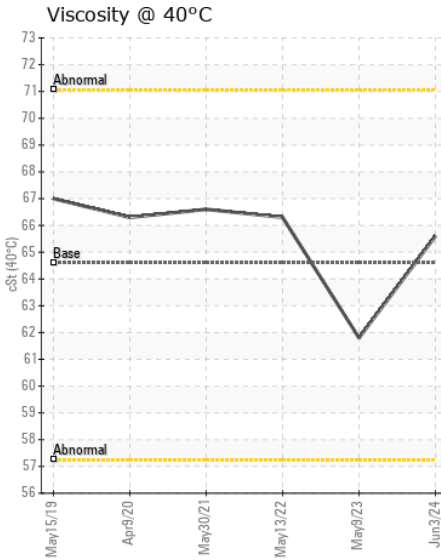
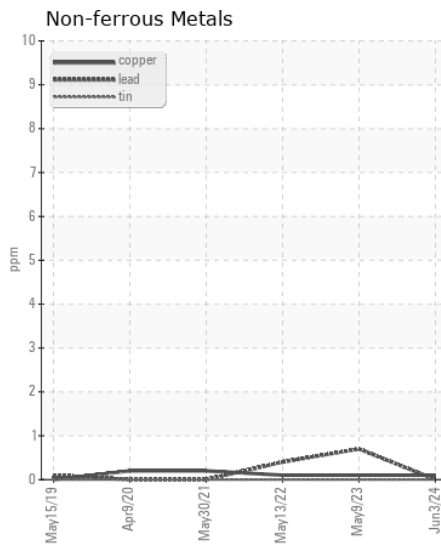
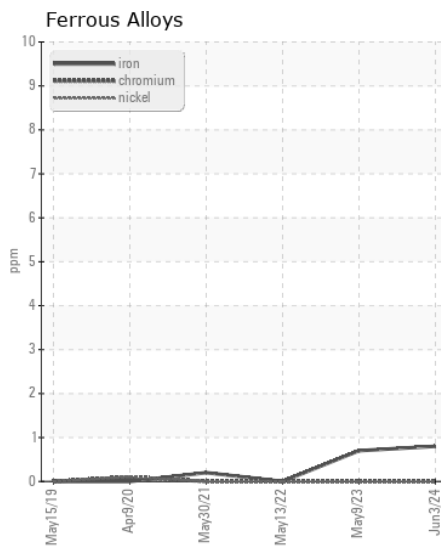
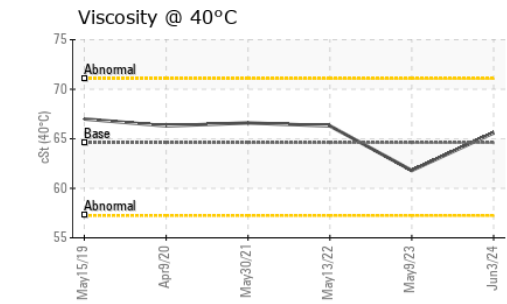
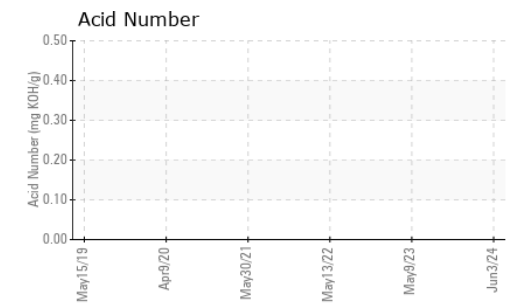
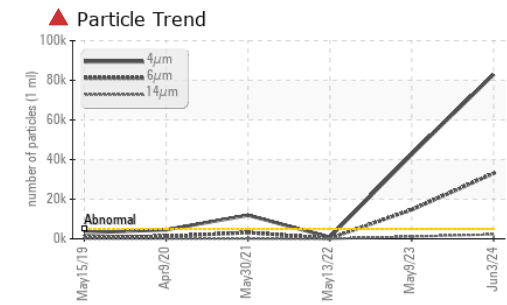
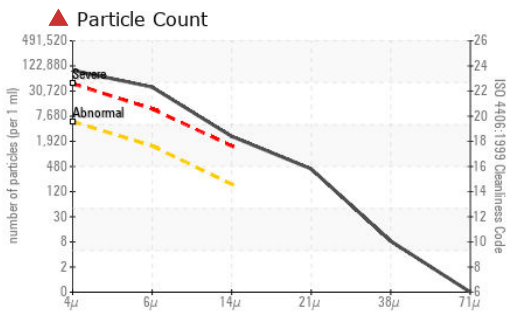
## CONTAMINATION

There is a high amount of particulates (2 to 100 microns in size) present in the oil.

## FLUID CONDITION

The AN level is acceptable for this fluid. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>WC0806200</b>	WC0773361	WC0669666
Sample Date		Client Info		<b>03 Jun 2024</b>	09 May 2023	13 May 2022
Machine Age	hrs	Client Info		<b>23179</b>	21393	19700
Oil Age	hrs	Client Info		<b>3479</b>	1693	1700
Filter Age	hrs	Client Info		<b>1000</b>	1693	1700
Oil Changed		Client Info		<b>Changed</b>	N/A	Changed
Filter Changed		Client Info		<b>Changed</b>	N/A	Changed
Sample Status				<b>SEVERE</b>	SEVERE	NORMAL
Iron	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	<1	0
Chromium	ppm	ASTM D5185(m)	>10	<b>0</b>	0	0
Nickel	ppm	ASTM D5185(m)	>10	<b>0</b>	0	0
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Silver	ppm	ASTM D5185(m)		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185(m)	>10	<b>0</b>	<1	0
Lead	ppm	ASTM D5185(m)	>10	<b>0</b>	<1	<1
Copper	ppm	ASTM D5185(m)	>75	<b>&lt;1</b>	<1	<1
Tin	ppm	ASTM D5185(m)	>10	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0
White Metal	scalar	Visual*	NONE	<b>▲ LIGHT</b>	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Silicon	ppm	ASTM D5185(m)	>20	<b>0</b>	<1	0
Potassium	ppm	ASTM D5185(m)	>20	<b>0</b>	1	<1
Water		WC Method	>0.1	<b>NEG</b>	NEG	NEG
Particles >4µm		ASTM D7647	>5000	<b>▲ 82947</b>	▲ 42604	823
Particles >6µm		ASTM D7647	>1300	<b>▲ 33053</b>	▲ 14690	212
Particles >14µm		ASTM D7647	>160	<b>▲ 2206</b>	▲ 1120	17
Particles >21µm		ASTM D7647	>40	<b>▲ 369</b>	▲ 267	3
Particles >38µm		ASTM D7647	>10	<b>7</b>	6	0
Particles >71µm		ASTM D7647	>3	<b>0</b>	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<b>▲ 24/22/18</b>	▲ 23/21/17	17/15/11
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>	▲ .2%	NEG
Sodium	ppm	ASTM D5185(m)		<b>0</b>	<1	0
Boron	ppm	ASTM D5185(m)		<b>&lt;1</b>	0	<1
Barium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185(m)		<b>0</b>	0	0
Manganese	ppm	ASTM D5185(m)		<b>0</b>	0	0
Magnesium	ppm	ASTM D5185(m)		<b>&lt;1</b>	0	0
Calcium	ppm	ASTM D5185(m)		<b>43</b>	39	43
Phosphorus	ppm	ASTM D5185(m)		<b>346</b>	358	361
Zinc	ppm	ASTM D5185(m)		<b>436</b>	404	433
Sulfur	ppm	ASTM D5185(m)		<b>695</b>	696	706
Acid Number (AN)	mg KOH/g	ASTM D974*		<b>0.47</b>	---	---
Visc @ 40°C	cSt	ASTM D7279(m)	64.6	<b>65.6</b>	61.8	66.3



ISO 17025:2017  
Accredited  
Laboratory

**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0806200  
**Lab Number** : 02641705  
**Unique Number** : 5799244  
**Test Package** : MOB 2 ( Additional Tests: Bottom, BottomAnalysis, FilterPatch, PrtFilter, TAN Auto, TAN Mac)

**Received** : 13 Jun 2024  
**Tested** : 17 Jun 2024  
**Diagnosed** : 17 Jun 2024 - Kevin Marson

**SUPREME INTERNATIONAL**  
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 CA T9A 2G2  
 ORN Mac: LORNE EHLERT  
 lehlert@supremeinternational.com

To discuss this sample report, contact Customer Service at 1-800-268-2131.  
 Test denoted (\*) outside scope of accreditation, (m) method modified, (e) tested at external lab.  
 Validity of results and interpretation are based on the sample and information as supplied.

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