



# OIL ANALYSIS REPORT

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

Machine Id  
**SUPREME 2TM14021F**  
Component  
**Hydraulic System**  
Fluid  
**CHEVRON HYDRAULIC OIL AW ISO 46 (200 LTR)**

## RECOMMENDATION

Confirm the source of the lubricant being utilized for top-up/fill.  
Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>WC100631</b>	WC0669682	---
Sample Date		Client Info		<b>09 Jan 2024</b>	15 Aug 2022	---
Machine Age	hrs	Client Info		<b>4706</b>	1140	---
Oil Age	hrs	Client Info		<b>4706</b>	1140	---
Filter Age	hrs	Client Info		<b>342</b>	1140	---
Oil Changed		Client Info		<b>Not Chngd</b>	Changed	---
Filter Changed		Client Info		<b>Not Chngd</b>	Changed	---
Sample Status				<b>NORMAL</b>	ABNORMAL	---

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>20	<b>16</b>	6	---
Chromium	ppm	ASTM D5185(m)	>10	<b>0</b>	0	---
Nickel	ppm	ASTM D5185(m)	>10	<b>&lt;1</b>	<1	---
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	---
Silver	ppm	ASTM D5185(m)		<b>0</b>	0	---
Aluminum	ppm	ASTM D5185(m)	>10	<b>&lt;1</b>	<1	---
Lead	ppm	ASTM D5185(m)	>10	<b>1</b>	<1	---
Copper	ppm	ASTM D5185(m)	>75	<b>3</b>	2	---
Tin	ppm	ASTM D5185(m)	>10	<b>0</b>	0	---
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	---
White Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	---
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	---

## CONTAMINATION

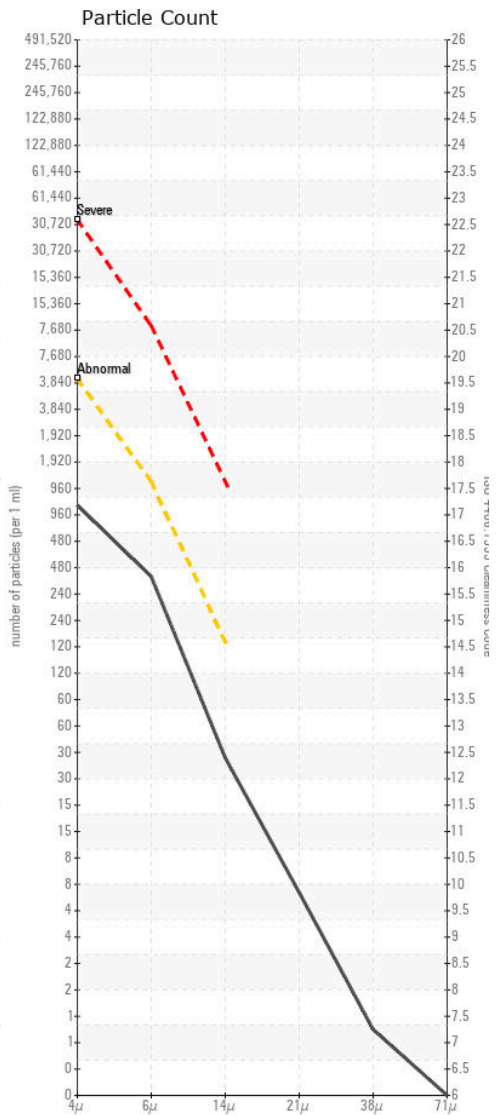
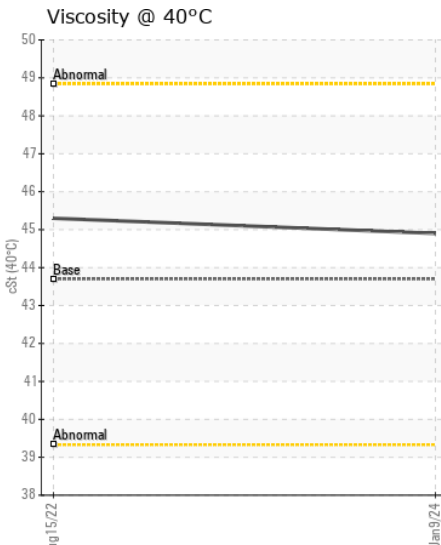
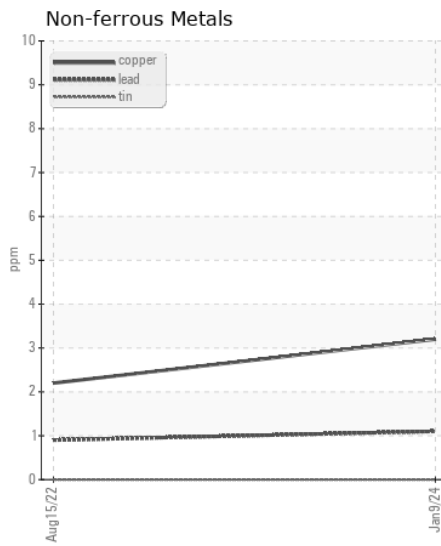
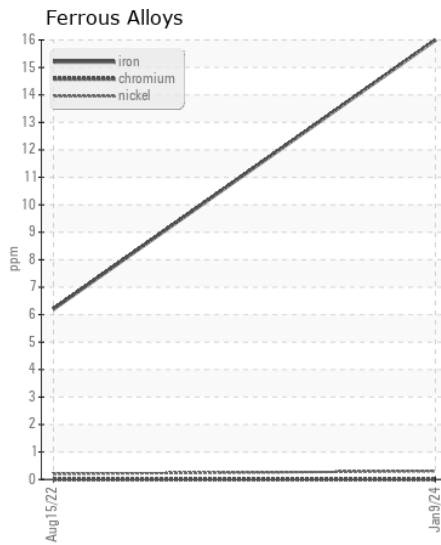
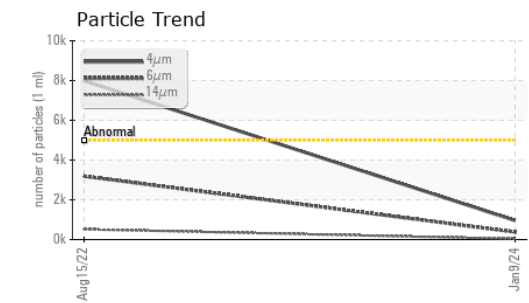
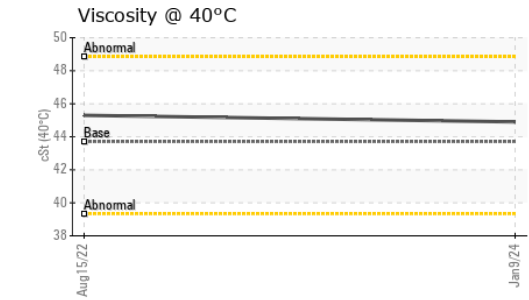
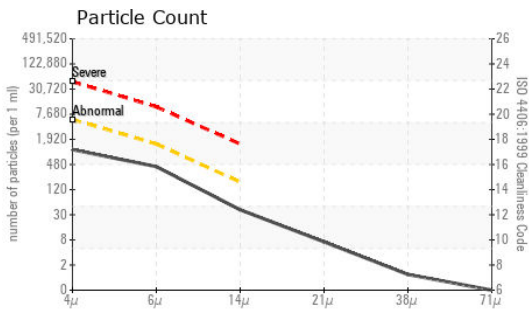
The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable.

Silicon	ppm	ASTM D5185(m)	>20	<b>1</b>	2	---
Potassium	ppm	ASTM D5185(m)	>20	<b>5</b>	1	---
Water		WC Method	>0.1	<b>NEG</b>	NEG	---
Particles >4µm		ASTM D7647	>5000	<b>957</b>	▲ 7991	---
Particles >6µm		ASTM D7647	>1300	<b>375</b>	▲ 3187	---
Particles >14µm		ASTM D7647	>160	<b>35</b>	▲ 516	---
Particles >21µm		ASTM D7647	>40	<b>6</b>	▲ 103	---
Particles >38µm		ASTM D7647	>10	<b>1</b>	2	---
Particles >71µm		ASTM D7647	>3	<b>0</b>	0	---
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<b>17/16/12</b>	▲ 20/19/16	---
Silt	scalar	Visual*	NONE	<b>NONE</b>	NONE	---
Debris	scalar	Visual*	NONE	<b>NONE</b>	NONE	---
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*	>0.1	<b>NEG</b>	NEG	---

## FLUID CONDITION

Additive levels indicate the addition of a different brand, or type of oil.  
The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	---
Boron	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	---
Barium	ppm	ASTM D5185(m)		<b>0</b>	0	---
Molybdenum	ppm	ASTM D5185(m)		<b>&lt;1</b>	2	---
Manganese	ppm	ASTM D5185(m)		<b>0</b>	<1	---
Magnesium	ppm	ASTM D5185(m)		<b>31</b>	35	---
Calcium	ppm	ASTM D5185(m)		<b>93</b>	109	---
Phosphorus	ppm	ASTM D5185(m)		<b>387</b>	363	---
Zinc	ppm	ASTM D5185(m)		<b>308</b>	351	---
Sulfur	ppm	ASTM D5185(m)		<b>713</b>	813	---
Visc @ 40°C	cSt	ASTM D7279(m)	43.7	<b>44.9</b>	45.3	---



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC100631 **Received** : 11 Jan 2024  
**Lab Number** : 02608231 **Diagnosed** : 15 Jan 2024  
**Unique Number** : 5709317 **Diagnostician** : Kevin Marson  
**Test Package** : MOB 2

**PALLISTER FARMS**  
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 DUNDALK, ON  
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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.