



# PROBLEM SUMMARY

Sample Rating Trend



ISO



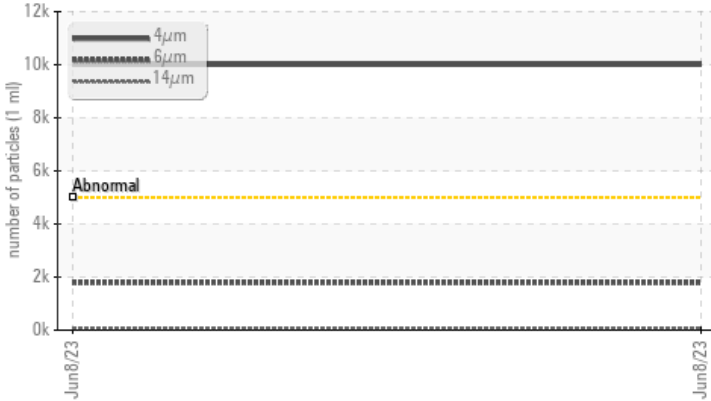
Machine Id  
**SALFORD #6**

Component  
**New (Unused) Oil**

Fluid  
**CHEVRON 1000 THF (1600 LTR)**

## COMPONENT CONDITION SUMMARY

### ▲ Particle Trend



## RECOMMENDATION

This is the baseline readout on this new (unused) oil. The fluid is suitable for service. Resample at the next service interval to monitor. NOTE: New oils are not generally filtered or guaranteed to a certain cleanliness code. We advise that you verify the target cleanliness code for your application and recommend the use of a portable filter cart to fill any system with a target code below the ISO cleanliness code of this product.

## PROBLEMATIC TEST RESULTS

Sample Status			ATTENTION	---	---
Particles >4µm	ASTM D7647	>5000	▲ 10000	---	---
Particles >6µm	ASTM D7647	>1300	▲ 1786	---	---
Oil Cleanliness	ISO 4406 (c)	>19/17/14	▲ 20/18/13	---	---

Customer Id: SAL364SAL  
Sample No.: WC0815326  
Lab Number: 02579099  
Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:  
Kevin Marson +1 (289)291-4644 x4644  
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To change component or sample information:  
Gloria Gonzalez +1 (289)291-4643 x4643  
[gloria.gonzalez@wearcheck.com](mailto:gloria.gonzalez@wearcheck.com)

## RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Alert	---	---	?	NOTE: New oils are not generally filtered or guaranteed to a certain cleanliness code. We advise that you verify the target cleanliness code for your application and recommend the use of a portable filter cart to fill any system with a target code below the ISO cleanliness code of this product.

## HISTORICAL DIAGNOSIS



# OIL ANALYSIS REPORT

Sample Rating Trend



ISO



Machine Id  
**SALFORD #6**

Component  
**New (Unused) Oil**  
Fluid  
**CHEVRON 1000 THF (1600 LTR)**

## DIAGNOSIS

### ▲ Recommendation

This is the baseline readout on this new (unused) oil. The fluid is suitable for service. Resample at the next service interval to monitor. NOTE: New oils are not generally filtered or guaranteed to a certain cleanliness code. We advise that you verify the target cleanliness code for your application and recommend the use of a portable filter cart to fill any system with a target code below the ISO cleanliness code of this product.

### Wear

{not applicable}

### ▲ Contamination

There is a light amount of silt (particulates < 14 microns in size) present in the oil.

### Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is suitable for service.

## SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	<b>WC0815326</b>	---	---
Sample Date	Client Info	<b>08 Jun 2023</b>	---	---
Machine Age	hrs Client Info	<b>0</b>	---	---
Oil Age	hrs Client Info	<b>0</b>	---	---
Oil Changed	Client Info	<b>N/A</b>	---	---
Sample Status		<b>ATTENTION</b>	---	---

## WEAR METALS

method	limit/base	current	history1	history2
Iron ppm ASTM D5185(m)		<b>&lt;1</b>	---	---
Chromium ppm ASTM D5185(m)		<b>0</b>	---	---
Nickel ppm ASTM D5185(m)		<b>0</b>	---	---
Titanium ppm ASTM D5185(m)		<b>0</b>	---	---
Silver ppm ASTM D5185(m)		<b>0</b>	---	---
Aluminum ppm ASTM D5185(m)		<b>&lt;1</b>	---	---
Lead ppm ASTM D5185(m)		<b>0</b>	---	---
Copper ppm ASTM D5185(m)		<b>&lt;1</b>	---	---
Tin ppm ASTM D5185(m)		<b>0</b>	---	---
Antimony ppm ASTM D5185(m)		<b>0</b>	---	---
Vanadium ppm ASTM D5185(m)		<b>0</b>	---	---
Beryllium ppm ASTM D5185(m)		<b>0</b>	---	---
Cadmium ppm ASTM D5185(m)		<b>0</b>	---	---

## ADDITIVES

method	limit/base	current	history1	history2
Boron ppm ASTM D5185(m)		<b>5</b>	---	---
Barium ppm ASTM D5185(m)		<b>0</b>	---	---
Molybdenum ppm ASTM D5185(m)		<b>2</b>	---	---
Manganese ppm ASTM D5185(m)		<b>0</b>	---	---
Magnesium ppm ASTM D5185(m)		<b>17</b>	---	---
Calcium ppm ASTM D5185(m)		<b>2630</b>	---	---
Phosphorus ppm ASTM D5185(m)		<b>1002</b>	---	---
Zinc ppm ASTM D5185(m)		<b>1155</b>	---	---
Sulfur ppm ASTM D5185(m)		<b>2843</b>	---	---
Lithium ppm ASTM D5185(m)		<b>&lt;1</b>	---	---

## CONTAMINANTS

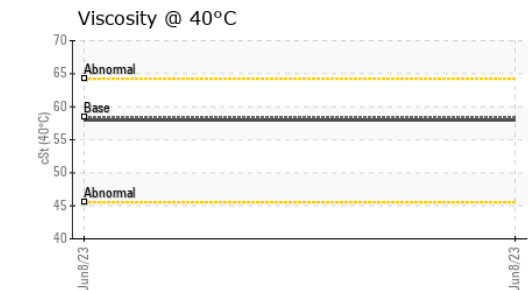
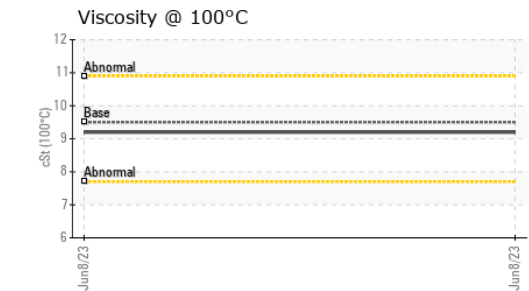
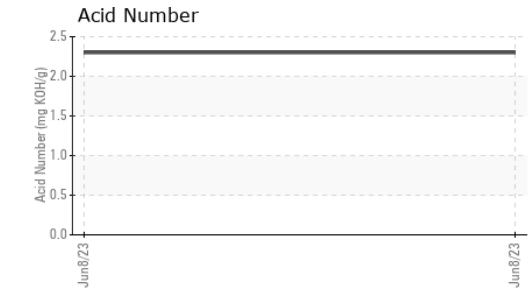
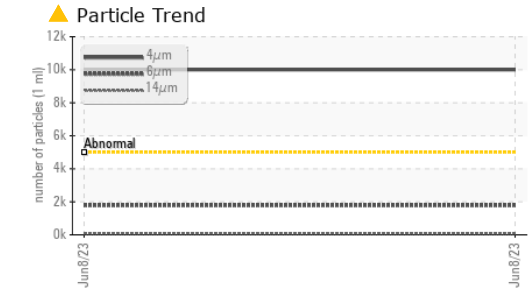
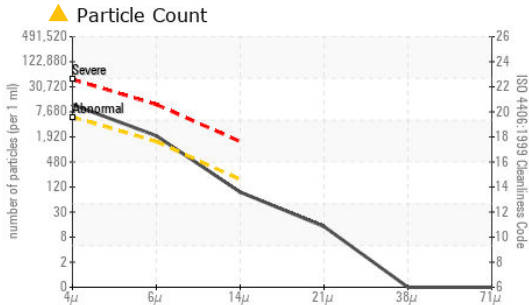
method	limit/base	current	history1	history2
Silicon ppm ASTM D5185(m)		<b>16</b>	---	---
Sodium ppm ASTM D5185(m)		<b>&lt;1</b>	---	---
Potassium ppm ASTM D5185(m)	>20	<b>0</b>	---	---

## INFRA-RED

method	limit/base	current	history1	history2
Soot % ASTM D7844*		<b>0</b>	---	---
Nitration Abs/cm ASTM D7624*		<b>3.5</b>	---	---
Sulfation Abs/.1mm ASTM D7415*		<b>18.2</b>	---	---



# OIL ANALYSIS REPORT



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0815326 **Received** : 29 Aug 2023  
**Lab Number** : 02579099 **Diagnosed** : 30 Aug 2023  
**Unique Number** : 5632159 **Diagnostician** : Kevin Marson  
**Test Package** : IND 2 ( Additional Tests: FT-IR, ICP-NewOil, KV100, TAN MAN, VI )

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.

**Salford Group Inc**  
 364018 McBeth Rd  
 Salford, ON  
 CA N0J 1W0  
 Contact: Chris Poppe  
 chris.poppe@salfordgroup.com  
 T: (519)485-3977  
 F:

FLUID CLEANLINESS	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>5000	▲ 10000	---	---
Particles >6µm	ASTM D7647	>1300	▲ 1786	---	---
Particles >14µm	ASTM D7647	>160	80	---	---
Particles >21µm	ASTM D7647	>40	12	---	---
Particles >38µm	ASTM D7647	>10	0	---	---
Particles >71µm	ASTM D7647	>3	0	---	---
Oil Cleanliness	ISO 4406 (c)	>19/17/14	▲ 20/18/13	---	---

FLUID DEGRADATION	method	limit/base	current	history1	history2
Oxidation	Abs./1mm	ASTM D7414*	8.2	---	---
Acid Number (AN)	mg KOH/g	ASTM D974*	2.30	---	---

VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	Visual*	NONE	NONE	---	---
Yellow Metal	scalar	Visual*	NONE	NONE	---	---
Precipitate	scalar	Visual*	NONE	NONE	---	---
Silt	scalar	Visual*	NONE	NONE	---	---
Debris	scalar	Visual*	NONE	NONE	---	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---	---
Appearance	scalar	Visual*	NORML	NORML	---	---
Odor	scalar	Visual*	NORML	NORML	---	---
Emulsified Water	scalar	Visual*	NEG	---	---	
Free Water	scalar	Visual*	NEG	---	---	

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D2729(m)	58.4	58.0	---	---
Visc @ 100°C	cSt	ASTM D2729(m)	9.5	9.2	---	---
Viscosity Index (VI)	Scale	ASTM D2270*	145	138	---	---

SAMPLE IMAGES	method	limit/base	current	history1	history2	
Color					no image	no image
Bottom					no image	no image