



# OIL ANALYSIS REPORT

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

Area  
**SOBEYS WHITBY [4501246281]**  
Machine Id  
**FRICK COMP #1 (S/N 50172TFMCTHAC03)**  
Component  
**Screw Compressor**  
Fluid  
**CIMCO TYPE A (--- GAL)**

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>WC0924798</b>	WC0639021	---
Sample Date		Client Info		<b>17 Apr 2024</b>	21 Dec 2021	---
Machine Age	hrs	Client Info		<b>20089</b>	9889	---
Oil Age	hrs	Client Info		<b>20089</b>	9889	---
Filter Age	hrs	Client Info		<b>0</b>	9889	---
Oil Changed		Client Info		<b>Filtered</b>	Filtered	---
Filter Changed		Client Info		<b>Changed</b>	Not Changd	---
Sample Status				<b>NORMAL</b>	NORMAL	---

## WEAR

All component wear rates are normal.

PQ		ASTM D8184*		<b>0</b>	0	---
Iron	ppm	ASTM D5185(m)	>60	<b>8</b>	3	---
Chromium	ppm	ASTM D5185(m)	>4	<b>0</b>	0	---
Nickel	ppm	ASTM D5185(m)		<b>0</b>	0	---
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	---
Silver	ppm	ASTM D5185(m)		<b>0</b>	<1	---
Aluminum	ppm	ASTM D5185(m)	>5	<b>0</b>	<1	---
Lead	ppm	ASTM D5185(m)	>10	<b>0</b>	0	---
Copper	ppm	ASTM D5185(m)	>30	<b>&lt;1</b>	<1	---
Tin	ppm	ASTM D5185(m)	>15	<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

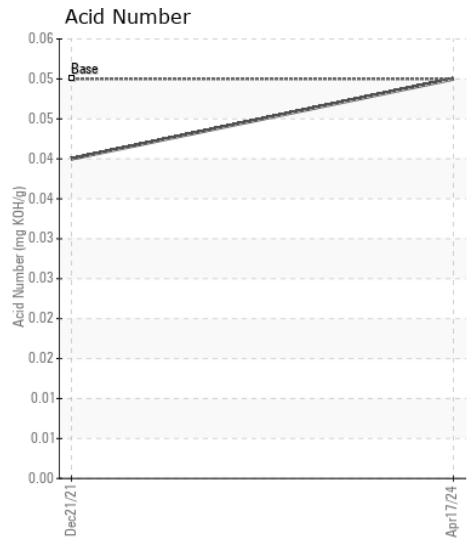
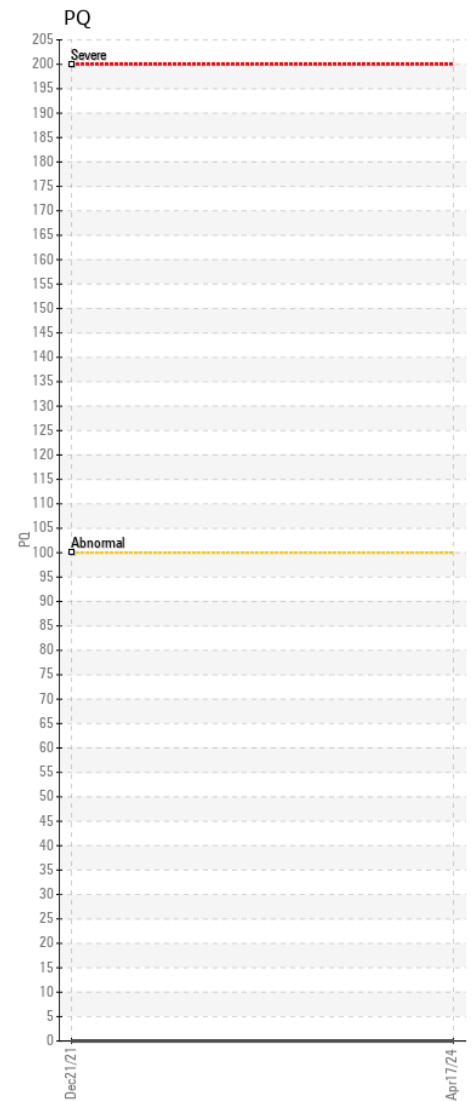
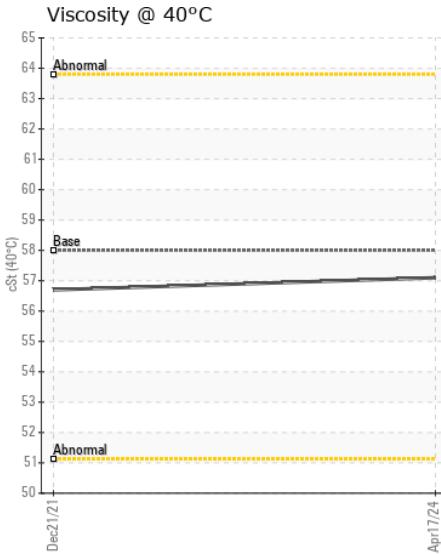
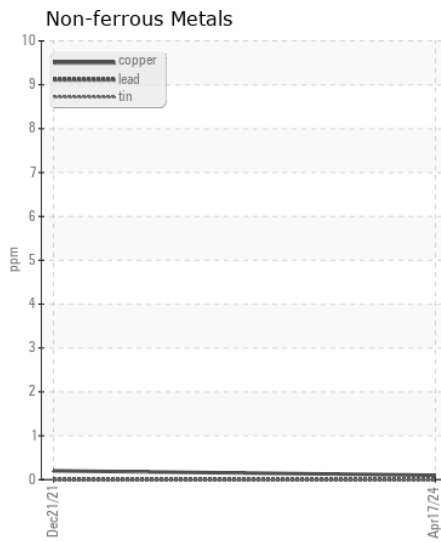
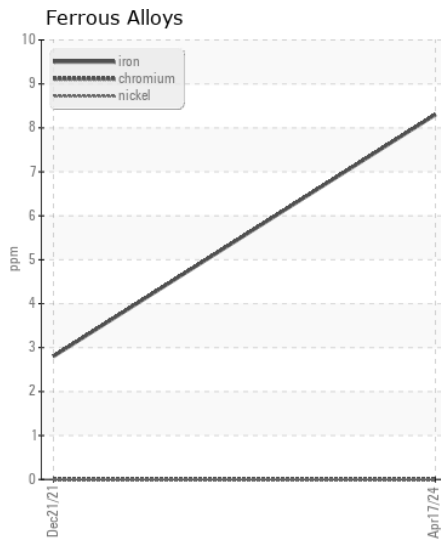
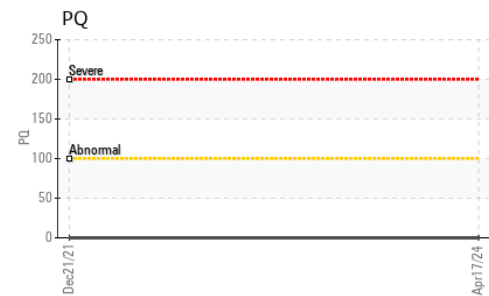
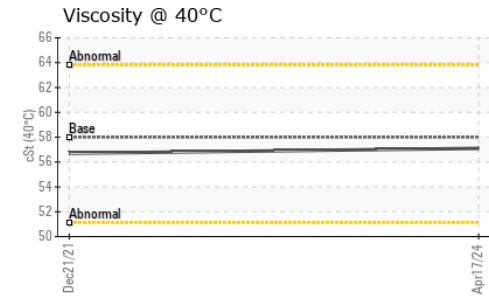
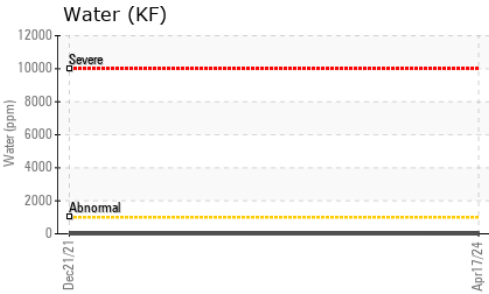
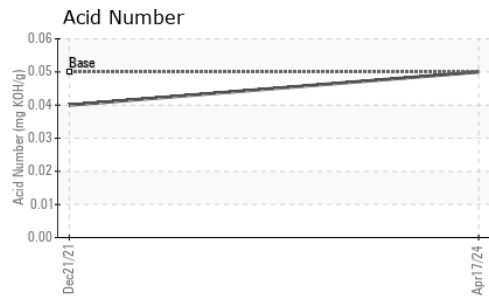
The water content is negligible. There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>50	<b>0</b>	1	---
Potassium	ppm	ASTM D5185(m)	>20	<b>0</b>	<1	---
Water	%	ASTM D6304*	>0.1	<b>0.001</b>	0.001	---
ppm Water	ppm	ASTM D6304*	>1000	<b>3</b>	5.6	---
Silt	scalar	Visual*	NONE	<b>NONE</b>	NONE	---
Debris	scalar	Visual*	NONE	<b>NONE</b>	VLITE	---
Sand/Dirt	scalar	Visual*	NONE	<b>VLITE</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

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

Sodium	ppm	ASTM D5185(m)		<b>&lt;1</b>	0	---
Boron	ppm	ASTM D5185(m)		<b>0</b>	<1	---
Barium	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	---
Molybdenum	ppm	ASTM D5185(m)		<b>0</b>	0	---
Manganese	ppm	ASTM D5185(m)		<b>0</b>	0	---
Magnesium	ppm	ASTM D5185(m)		<b>0</b>	0	---
Calcium	ppm	ASTM D5185(m)		<b>&lt;1</b>	1	---
Phosphorus	ppm	ASTM D5185(m)		<b>0</b>	<1	---
Zinc	ppm	ASTM D5185(m)		<b>2</b>	1	---
Sulfur	ppm	ASTM D5185(m)		<b>9</b>	8	---
Acid Number (AN)	mg KOH/g	ASTM D974*	0.05	<b>0.05</b>	0.04	---
Visc @ 40°C	cSt	ASTM D7279(m)	58	<b>57.1</b>	56.7	---



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0924798 **Received** : 25 Apr 2024  
**Lab Number** : 02631341 **Tested** : 25 Apr 2024  
**Unique Number** : 5772494 **Diagnosed** : 25 Apr 2024 - Wes Davis  
**Test Package** : IND 2 ( Additional Tests: KF, TAN Man )

**CIMCO Refrigeration**  
 1551 Corporate Drive  
 Burlington, ON  
 CA L7L 6M3  
 Contact: DAVID PARISE  
 DPARISE@ToROMONT.COM  
 T: (416)465-7581  
 F: (416)465-8815

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.