



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	SEVERE
FLUID CONDITION	NORMAL

Area  
**SOBEYS WHITBY [4501246281]**  
 Machine Id  
**FRICK COMP #4 (S/N 51298TFMCTHAA03)**  
 Component  
**Screw Compressor**  
 Fluid  
**CIMCO TYPE A (65 GAL)**

**RECOMMENDATION**

We advise that you check all areas where contaminants can enter the system. We advise that you perform a filter service, and use off-line filtration to improve the cleanliness of the system fluid. 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**

All component wear rates are normal.

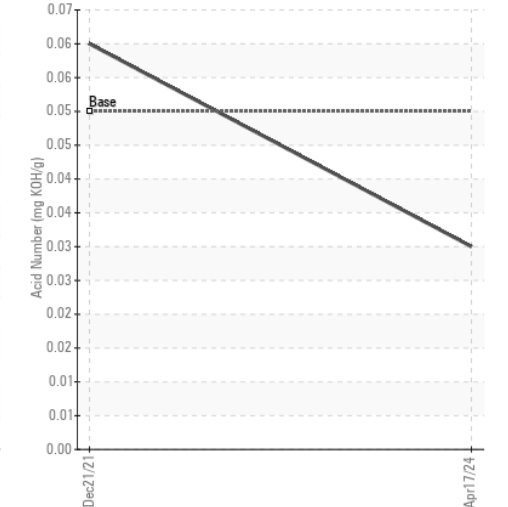
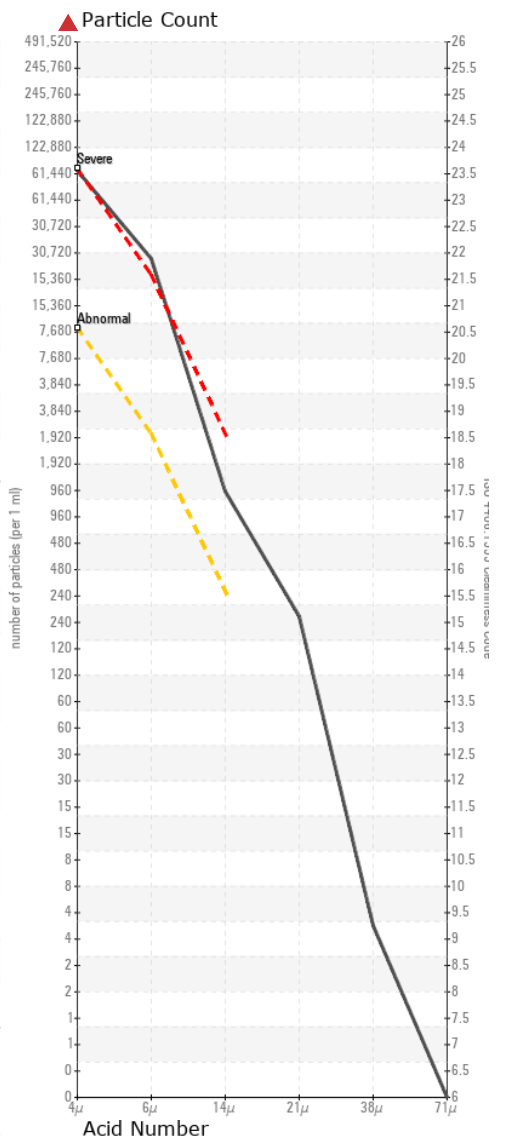
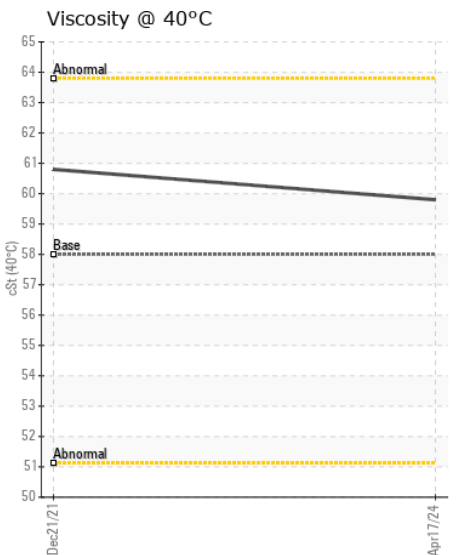
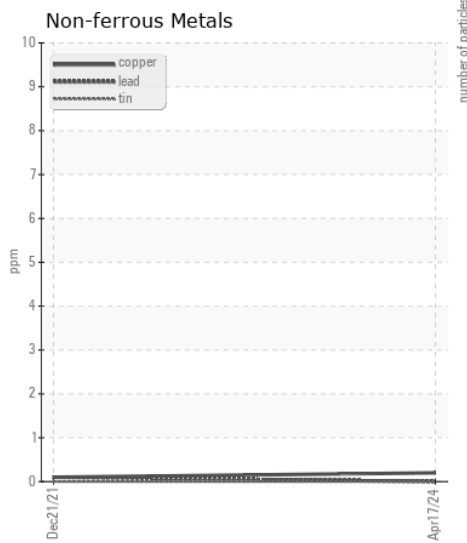
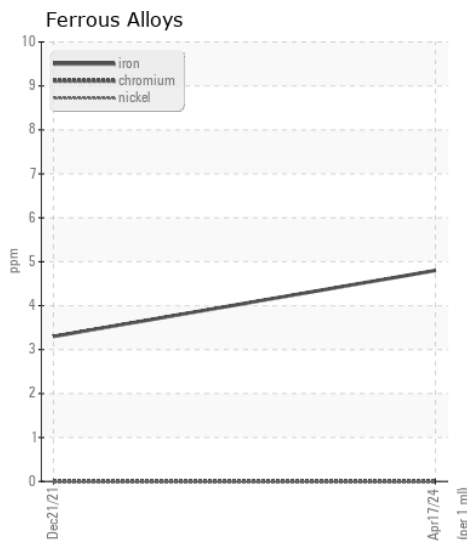
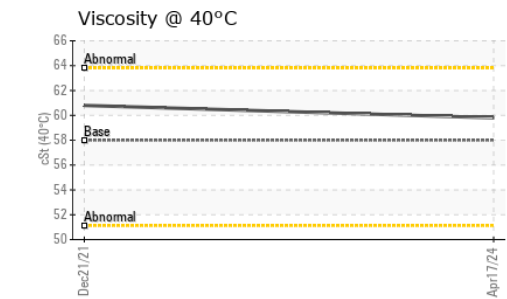
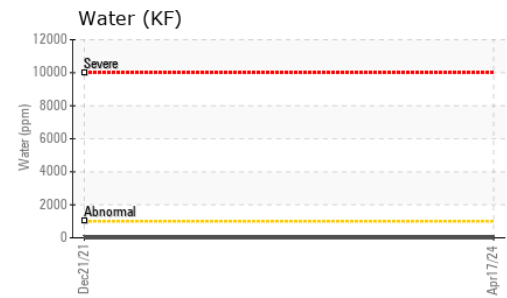
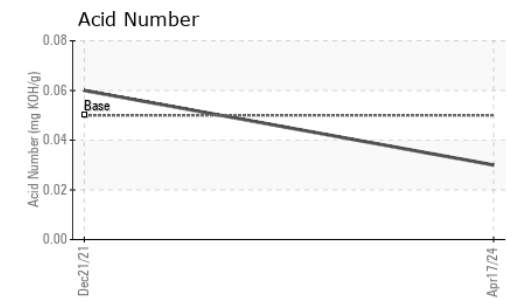
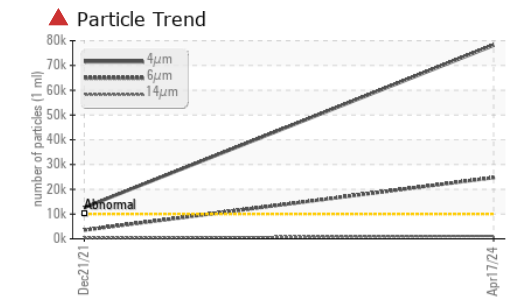
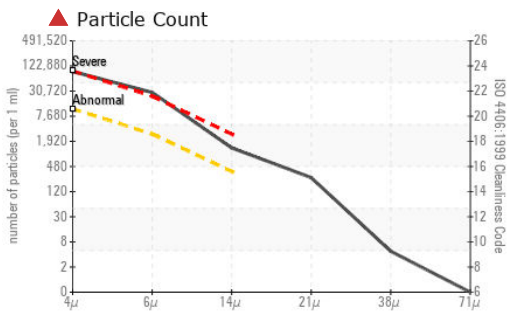
**CONTAMINATION**

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

**FLUID CONDITION**

The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>WC0924794</b>	WC0639040	---
Sample Date		Client Info		<b>17 Apr 2024</b>	21 Dec 2021	---
Machine Age	hrs	Client Info		<b>68038</b>	66706	---
Oil Age	hrs	Client Info		<b>68038</b>	10000	---
Filter Age	hrs	Client Info		<b>10000</b>	10000	---
Oil Changed		Client Info		<b>Filtered</b>	Changed	---
Filter Changed		Client Info		<b>Changed</b>	Changed	---
Sample Status				<b>SEVERE</b>	ATTENTION	---
Iron	ppm	ASTM D5185(m)	>60	<b>5</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>	<1	---
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	---
Silicon	ppm	ASTM D5185(m)	>50	<b>&lt;1</b>	1	---
Potassium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	<1	---
Water	%	ASTM D6304*	>0.1	<b>0.001</b>	0.001	---
ppm Water	ppm	ASTM D6304*	>1000	<b>5</b>	4.6	---
Particles >4µm		ASTM D7647	>10000	<b>▲ 78168</b>	● 12611	---
Particles >6µm		ASTM D7647	>2500	<b>▲ 24705</b>	● 3516	---
Particles >14µm		ASTM D7647	>320	<b>▲ 1174</b>	303	---
Particles >21µm		ASTM D7647	>80	<b>▲ 229</b>	70	---
Particles >38µm		ASTM D7647	>20	<b>4</b>	4	---
Particles >71µm		ASTM D7647	>4	<b>0</b>	0	---
Oil Cleanliness		ISO 4406 (c)	>20/18/15	<b>▲ 23/22/17</b>	● 21/19/15	---
Silt	scalar	Visual*	NONE	<b>NONE</b>	NONE	---
Debris	scalar	Visual*	NONE	<b>NONE</b>	NONE	---
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	---
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>&lt;1</b>	<1	---
Zinc	ppm	ASTM D5185(m)		<b>3</b>	<1	---
Sulfur	ppm	ASTM D5185(m)		<b>15</b>	13	---
Acid Number (AN)	mg KOH/g	ASTM D974*	0.05	<b>0.03</b>	0.06	---
Visc @ 40°C	cSt	ASTM D7279(m)	58	<b>59.8</b>	60.8	---



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0924794 **Received** : 25 Apr 2024  
**Lab Number** : 02631334 **Tested** : 29 Apr 2024  
**Unique Number** : 5772487 **Diagnosed** : 29 Apr 2024 - Wes Davis  
**Test Package** : IND 2 ( Additional Tests: KF, TAN Man )

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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