



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
SOBEYS VAUGHAN [4501238207]
 Machine Id
FRICK COMP #2 (S/N 1024IF53800313)
 Component
2 Screw Compressor
 Fluid
FRICK COMPRESSOR OIL #3 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0902703	WC0749623	---
Sample Date		Client Info		27 Mar 2024	08 Nov 2022	---
Machine Age	hrs	Client Info		43223	35884	---
Oil Age	hrs	Client Info		0	14080	---
Filter Age	hrs	Client Info		0	14080	---
Oil Changed		Client Info		N/A	Not Changd	---
Filter Changed		Client Info		N/A	Not Changd	---
Sample Status				NORMAL	NORMAL	---

WEAR

All component wear rates are normal.

PQ		ASTM D8184*		0	0	---
Iron	ppm	ASTM D5185(m)	>60	1	1	---
Chromium	ppm	ASTM D5185(m)	>4	0	0	---
Nickel	ppm	ASTM D5185(m)		0	0	---
Titanium	ppm	ASTM D5185(m)		0	0	---
Silver	ppm	ASTM D5185(m)		0	0	---
Aluminum	ppm	ASTM D5185(m)	>5	0	<1	---
Lead	ppm	ASTM D5185(m)	>10	0	0	---
Copper	ppm	ASTM D5185(m)	>30	<1	<1	---
Tin	ppm	ASTM D5185(m)	>15	0	0	---
Vanadium	ppm	ASTM D5185(m)		0	0	---
White Metal	scalar	Visual*	NONE	NONE	NONE	---
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	---

CONTAMINATION

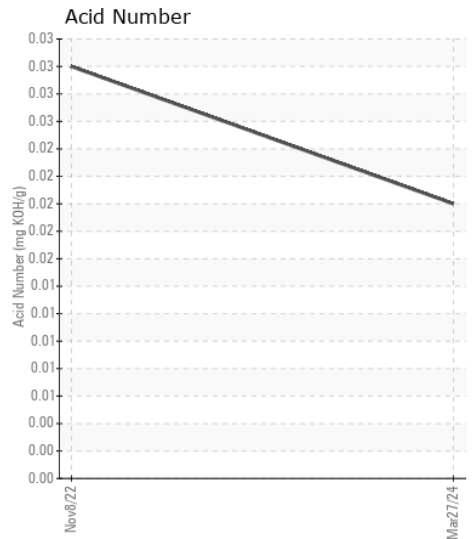
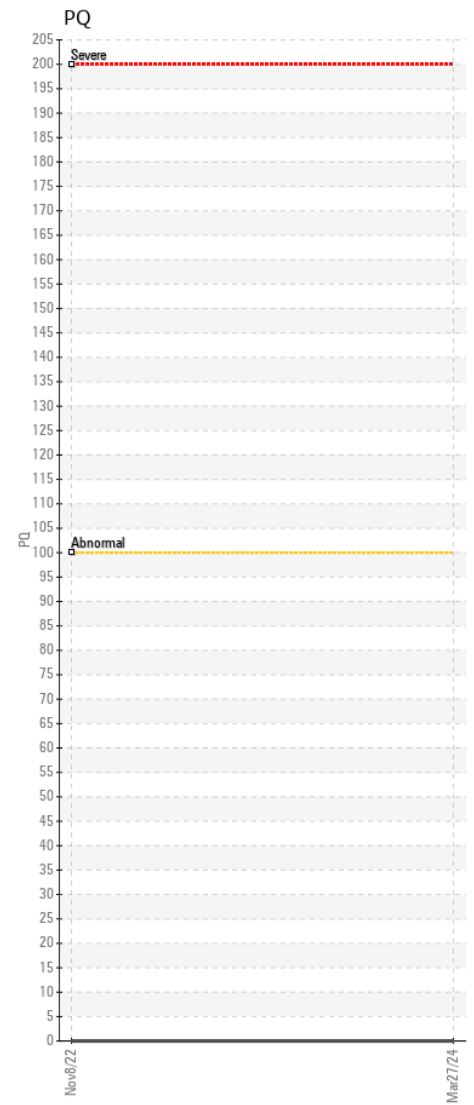
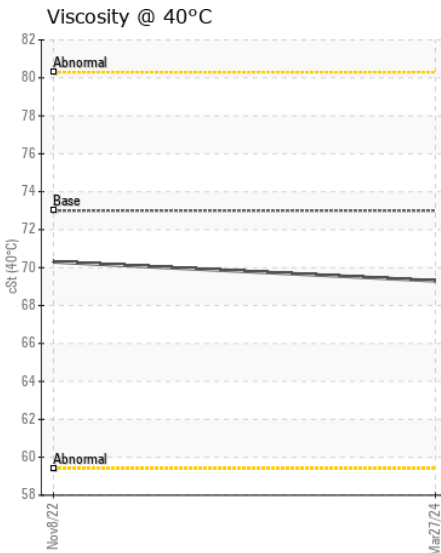
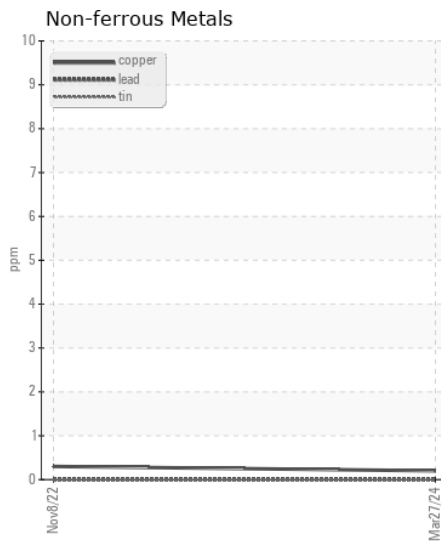
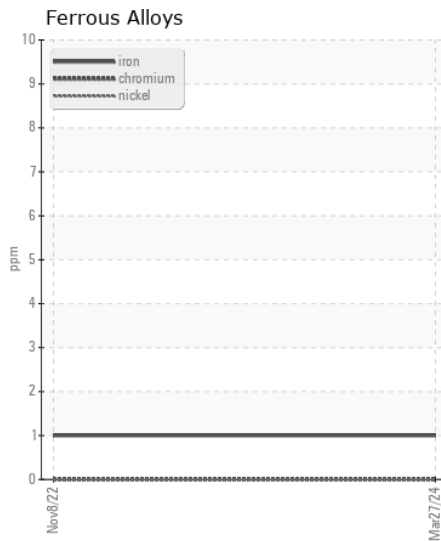
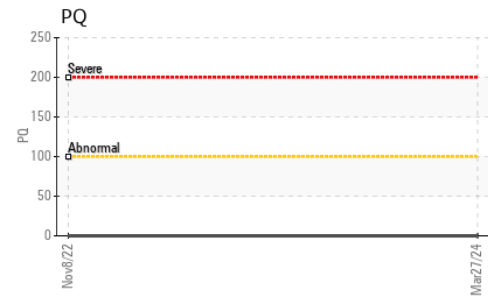
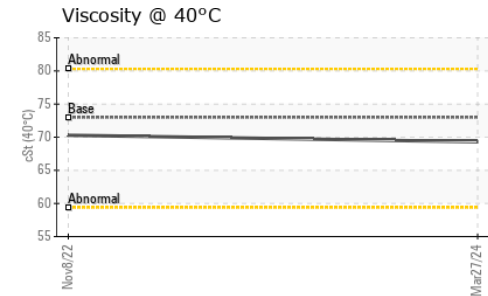
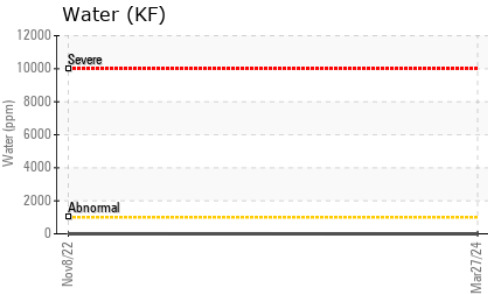
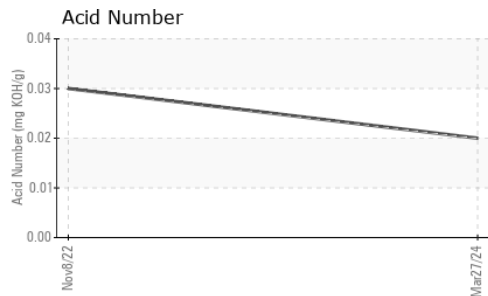
The water content is negligible. There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>50	<1	2	---
Potassium	ppm	ASTM D5185(m)	>20	0	<1	---
Water	%	ASTM D6304*	>0.1	0.00	0.001	---
ppm Water	ppm	ASTM D6304*	>1000	0	4.4	---
Silt	scalar	Visual*	NONE	NONE	NONE	---
Debris	scalar	Visual*	NONE	NONE	NONE	---
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE	---
Appearance	scalar	Visual*	NORML	NORML	NORML	---
Odor	scalar	Visual*	NORML	NORML	NORML	---
Emulsified Water	scalar	Visual*	>0.1	NEG	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)		0	0	---
Boron	ppm	ASTM D5185(m)		0	<1	---
Barium	ppm	ASTM D5185(m)		4	4	---
Molybdenum	ppm	ASTM D5185(m)		0	0	---
Manganese	ppm	ASTM D5185(m)		0	0	---
Magnesium	ppm	ASTM D5185(m)		0	0	---
Calcium	ppm	ASTM D5185(m)		0	0	---
Phosphorus	ppm	ASTM D5185(m)		0	0	---
Zinc	ppm	ASTM D5185(m)		2	2	---
Sulfur	ppm	ASTM D5185(m)		16	17	---
Acid Number (AN)	mg KOH/g	ASTM D974*		0.02	0.03	---
Visc @ 40°C	cSt	ASTM D7279(m)	73	69.3	70.3	---



ISO 17025:2017
Accredited
Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9

Sample No. : WC0902703

Lab Number : 02631976

Unique Number : 5773129

Test Package : IND 2 (Additional Tests: KF, TAN Man)

Received : 29 Apr 2024

Tested : 01 May 2024

Diagnosed : 01 May 2024 - Wes Davis

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.

CIMCO Refrigeration

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