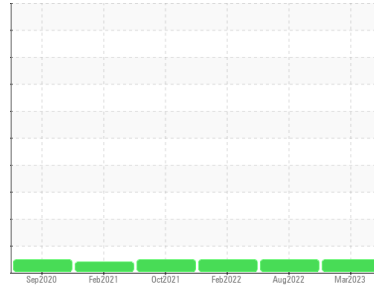


# OIL ANALYSIS REPORT

## Sample Rating Trend



**NORMAL**



Machine Id  
**FRICK FRICK 704 (S/N 2050639)**  
 Component  
**Compressor**  
 Fluid  
**PETRO CANADA REFLO SYNTHETIC 68A LOW TEMP FLUID (--- GAL)**

### DIAGNOSIS

#### Recommendation

Resample at the next service interval to monitor.

#### Wear

All component wear rates are normal.

#### Contamination

There is no indication of any contamination in the oil.

#### Fluid Condition

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

### SAMPLE INFORMATION

method	limit/base	current	history 1	history 2
Sample Number	Client Info	<b>PCA0092598</b>	PCA0067427	PCA0059749
Sample Date	Client Info	<b>09 Mar 2023</b>	10 Aug 2022	09 Feb 2022
Machine Age	hrs Client Info	<b>0</b>	0	0
Oil Age	hrs Client Info	<b>0</b>	0	0
Oil Changed	Client Info	<b>N/A</b>	N/A	N/A
Sample Status		<b>NORMAL</b>	NORMAL	NORMAL

### WEAR METALS

method	limit/base	current	history 1	history 2
Iron ppm ASTM D5185m	>50	<b>&lt;1</b>	0	0
Chromium ppm ASTM D5185m	>10	<b>0</b>	0	0
Nickel ppm ASTM D5185m		<b>&lt;1</b>	0	0
Titanium ppm ASTM D5185m		<b>0</b>	0	0
Silver ppm ASTM D5185m		<b>0</b>	0	0
Aluminum ppm ASTM D5185m	>25	<b>&lt;1</b>	0	2
Lead ppm ASTM D5185m	>25	<b>0</b>	0	0
Copper ppm ASTM D5185m	>50	<b>0</b>	0	0
Tin ppm ASTM D5185m	>15	<b>0</b>	<1	0
Antimony ppm ASTM D5185m		<b>---</b>	---	0
Vanadium ppm ASTM D5185m		<b>0</b>	0	0
Cadmium ppm ASTM D5185m		<b>0</b>	0	0

### ADDITIVES

method	limit/base	current	history 1	history 2
Boron ppm ASTM D5185m	0	<b>0</b>	<1	<1
Barium ppm ASTM D5185m	0	<b>0</b>	0	0
Molybdenum ppm ASTM D5185m	0	<b>0</b>	0	0
Manganese ppm ASTM D5185m		<b>0</b>	0	0
Magnesium ppm ASTM D5185m	0	<b>0</b>	0	0
Calcium ppm ASTM D5185m	0	<b>0</b>	0	0
Phosphorus ppm ASTM D5185m	0	<b>0</b>	5	3
Zinc ppm ASTM D5185m	0	<b>0</b>	0	0
Sulfur ppm ASTM D5185m	0	<b>32</b>	39	36

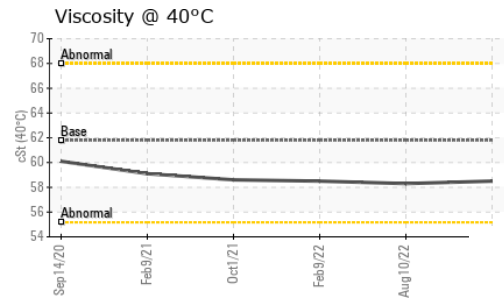
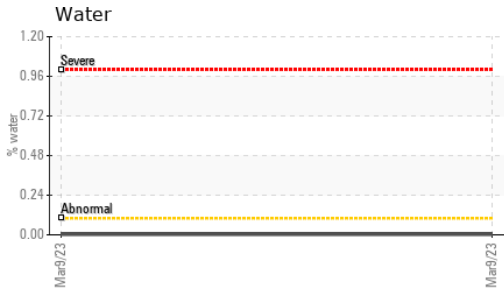
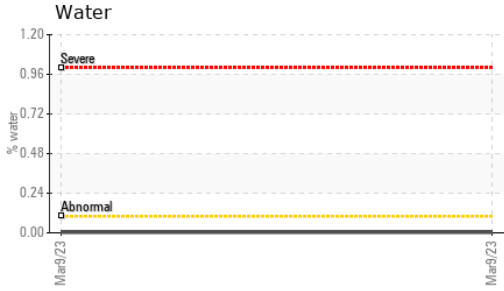
### CONTAMINANTS

method	limit/base	current	history 1	history 2
Silicon ppm ASTM D5185m	>25	<b>1</b>	<1	1
Sodium ppm ASTM D5185m		<b>0</b>	0	<1
Potassium ppm ASTM D5185m	>20	<b>&lt;1</b>	0	0
Water % ASTM D6304	>0.1	<b>0.003</b>	---	---
ppm Water ppm ASTM D6304	>1000	<b>34.3</b>	---	---

### FLUID DEGRADATION

method	limit/base	current	history 1	history 2
Acid Number (AN) mg KOH/g ASTM D8045	0.1	<b>0.031</b>	---	---

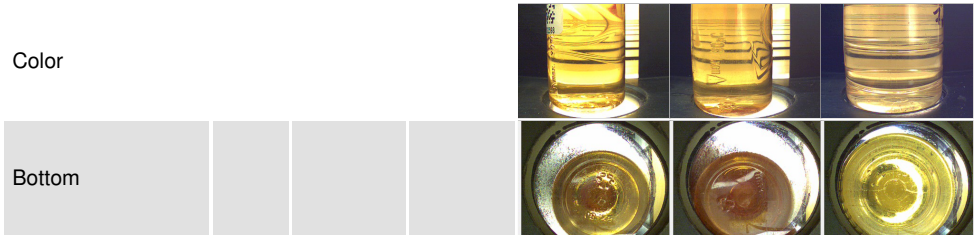
# OIL ANALYSIS REPORT



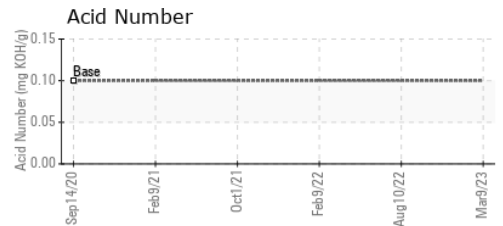
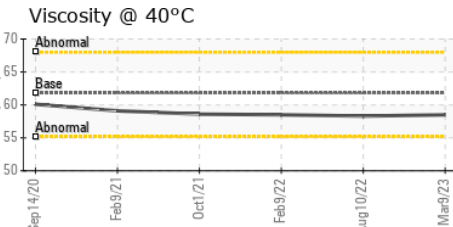
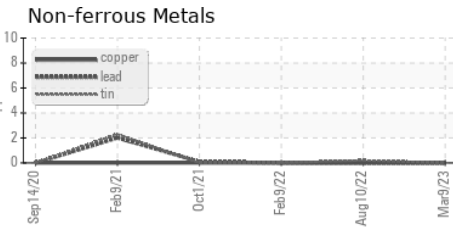
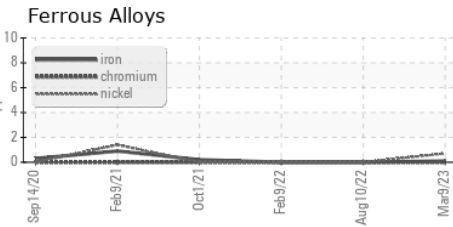
VISUAL	method	limit/base	current	history 1	history 2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history 1	history 2	
Visc @ 40°C	cSt	ASTM D445	61.8	<b>58.5</b>	58.3	58.5

SAMPLE IMAGES	method	limit/base	current	history 1	history 2
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## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0092598 **Received** : 10 Mar 2023  
**Lab Number** : **05788574** **Diagnosed** : 13 Mar 2023  
**Unique Number** : 10373245 **Diagnostician** : Jonathan Hester  
**Test Package** : IND 2 ( Additional Tests: KF )

**SMITHFIELD FOODS**  
 ONE SWEET APPLEWOOD LANE  
 CUDAHY, WI  
 US 53110  
 Contact: PETE LERAY  
 pleray@smithfield.com  
 T: (414)918-3258  
 F:

To discuss this sample report, contact Customer Service at 1-800-237-1369.

\* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)