

# PROBLEM SUMMARY

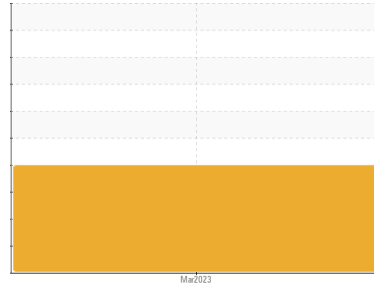
Sample Rating Trend

ISO



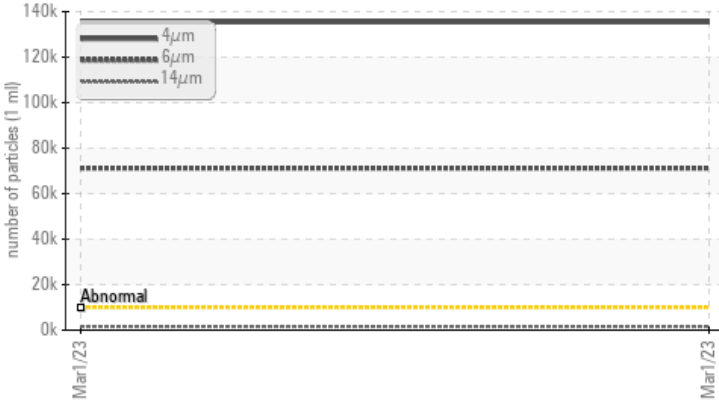
Area  
**ALIMENTOS PRO SALUD**  
Machine Id  
**FRICK COMPRESSOR #1**

Component  
**Compressor**  
Fluid  
**PETRO CANADA REFLO 68A AMMONIA OIL (56 GAL)**



## COMPONENT CONDITION SUMMARY

### Particle Trend



## RECOMMENDATION

Check seals and/or filters for points of contaminant entry. 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. We recommend you service the filters on this component. Resample in 30-45 days to monitor this situation.

## PROBLEMATIC TEST RESULTS

Sample Status			SEVERE	---	---
Particles >4µm	ASTM D7647	>10000	🔴 135391	---	---
Particles >6µm	ASTM D7647	>2500	🔴 71174	---	---
Particles >14µm	ASTM D7647	>320	🟡 1569	---	---
Oil Cleanliness	ISO 4406 (c)	>20/18/15	🔴 24/23/18	---	---

Customer Id: INDALA  
Sample No.: PC0070483  
Lab Number: 02545449  
Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:  
Wes Davis +1 905-569-8600 x223  
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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)

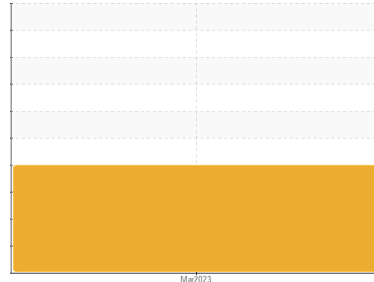
## RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Change Filter	---	---	?	We recommend you service the filters on this component.
Resample	---	---	?	Resample in 30-45 days to monitor this situation.
Check Breathers	---	---	?	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.
Check Seals	---	---	?	Check seals and/or filters for points of contaminant entry.

## HISTORICAL DIAGNOSIS

Area  
**ALIMENTOS PRO SALUD**  
Machine Id  
**FRICK COMPRESSOR #1**

Component  
**Compressor**  
Fluid  
**PETRO CANADA REFLO 68A AMMONIA OIL (56 GAL)**



## DIAGNOSIS

### Recommendation

Check seals and/or filters for points of contaminant entry. 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. We recommend you service the filters on this component. Resample in 30-45 days to monitor this situation.

### Wear

All component wear rates are normal.

### Contamination

Particles >6µm are severely high. Particles >4µm are severely high. Oil Cleanliness are severely high. Particles >14µm are abnormally high. 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.

## SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	<b>PC0070483</b>	---	---
Sample Date	Client Info	<b>01 Mar 2023</b>	---	---
Machine Age	hrs Client Info	<b>0</b>	---	---
Oil Age	hrs Client Info	<b>29713</b>	---	---
Oil Changed	Client Info	<b>N/A</b>	---	---
Sample Status		<b>SEVERE</b>	---	---

## WEAR METALS

method	limit/base	current	history1	history2
Iron ppm ASTM D5185(m)	>50	<b>4</b>	---	---
Chromium ppm ASTM D5185(m)	>10	<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)	>25	<b>&lt;1</b>	---	---
Lead ppm ASTM D5185(m)	>25	<b>0</b>	---	---
Copper ppm ASTM D5185(m)	>50	<b>0</b>	---	---
Tin ppm ASTM D5185(m)	>15	<b>0</b>	---	---
Antimony ppm ASTM D5185(m)		<b>&lt;1</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)	0	<b>0</b>	---	---
Barium ppm ASTM D5185(m)	0	<b>0</b>	---	---
Molybdenum ppm ASTM D5185(m)	0	<b>0</b>	---	---
Manganese ppm ASTM D5185(m)		<b>0</b>	---	---
Magnesium ppm ASTM D5185(m)	0	<b>&lt;1</b>	---	---
Calcium ppm ASTM D5185(m)	0	<b>0</b>	---	---
Phosphorus ppm ASTM D5185(m)	0	<b>&lt;1</b>	---	---
Zinc ppm ASTM D5185(m)	0	<b>&lt;1</b>	---	---
Sulfur ppm ASTM D5185(m)	0	<b>89</b>	---	---
Lithium ppm ASTM D5185(m)		<b>&lt;1</b>	---	---

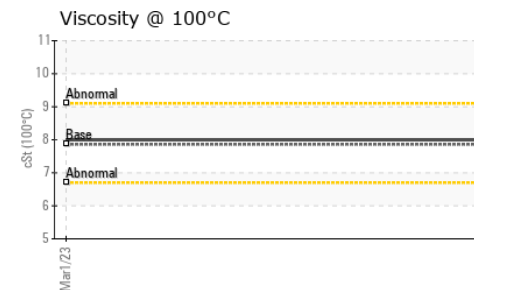
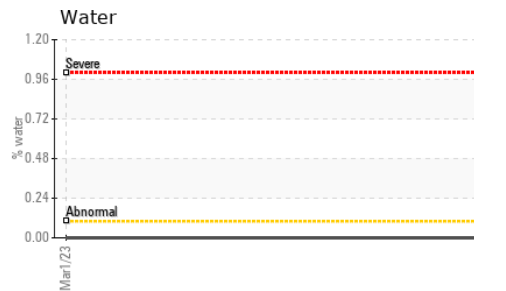
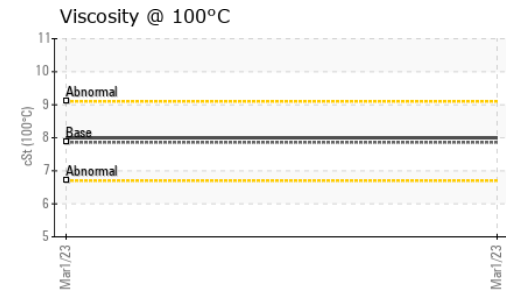
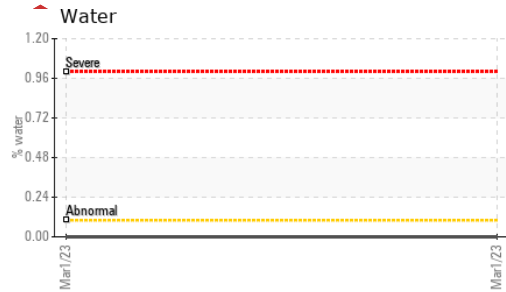
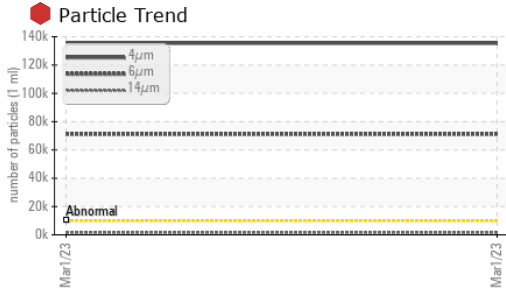
## CONTAMINANTS

method	limit/base	current	history1	history2
Silicon ppm ASTM D5185(m)	>25	<b>3</b>	---	---
Sodium ppm ASTM D5185(m)		<b>0</b>	---	---
Potassium ppm ASTM D5185(m)	>20	<b>0</b>	---	---
Water % ASTM D6304*	>0.1	<b>0.00</b>	---	---
ppm Water ppm ASTM D6304*	>1000	<b>0.00</b>	---	---

## FLUID CLEANLINESS

method	limit/base	current	history1	history2
Particles >4µm ASTM D7647	>10000	<b>135391</b>	---	---
Particles >6µm ASTM D7647	>2500	<b>71174</b>	---	---
Particles >14µm ASTM D7647	>320	<b>1569</b>	---	---
Particles >21µm ASTM D7647	>80	<b>78</b>	---	---
Particles >38µm ASTM D7647	>20	<b>0</b>	---	---
Particles >71µm ASTM D7647	>4	<b>0</b>	---	---
Oil Cleanliness ISO 4406 (c)	>20/18/15	<b>24/23/18</b>	---	---

# OIL ANALYSIS REPORT



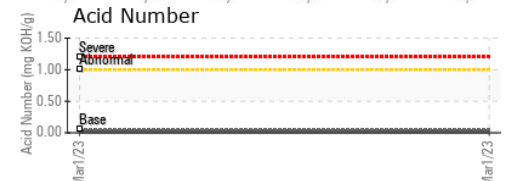
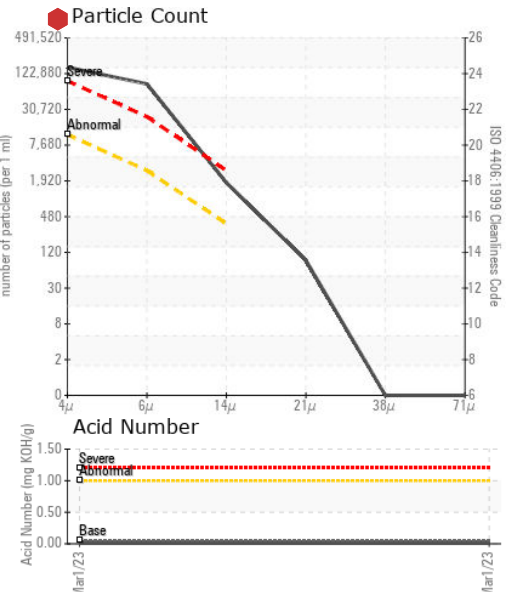
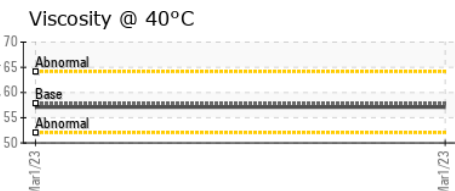
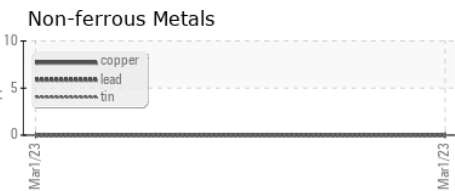
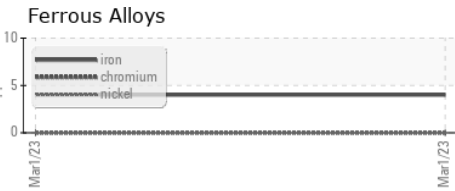
FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*	0.05	<b>0.01</b>	---	---

VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	<b>NONE</b>	---	---
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	---	---
Precipitate	scalar	Visual*	NONE	<b>NONE</b>	---	---
Silt	scalar	Visual*	NONE	<b>NONE</b>	---	---
Debris	scalar	Visual*	NONE	<b>VLITE</b>	---	---
Sand/Dirt	scalar	Visual*	NONE	<b>NONE</b>	---	---
Appearance	scalar	Visual*	NORML	<b>NORML</b>	---	---
Odor	scalar	Visual*	NORML	<b>NORML</b>	---	---
Emulsified Water	scalar	Visual*	>0.1	<b>NEG</b>	---	---
Free Water	scalar	Visual*		<b>NEG</b>	---	---

FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	57.8	<b>57.1</b>	---	---
Visc @ 100°C	cSt	ASTM D7279(m)	7.86	<b>8</b>	---	---
Viscosity Index (VI)	Scale	ASTM D2270*	101	<b>106</b>	---	---

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

## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 **INDUSTRIAS del PETROLEO CANAD. SA**  
**Sample No.** : PC0070483 **Received** : 15 Mar 2023 Contiguo FANAL, frente a la Autopista Bernardo Soto  
**Lab Number** : 02545449 **Diagnosed** : 16 Mar 2023 Grecia, A  
**Unique Number** : 5542454 **Diagnostician** : Wes Davis CR  
**Test Package** : IND 2 ( Additional Tests: KF, KV100, VI )

To discuss this sample report, contact Customer Service at 1-800-268-2131. Contact: Erick Bogantes  
 Test denoted (\*) outside scope of accreditation, (m) method modified, (e) tested at external lab. cotizaciones@lubricantescanada.com  
 Validity of results and interpretation are based on the sample and information as supplied. T: 1(115)062-1598  
 F: 1(115)062-2870