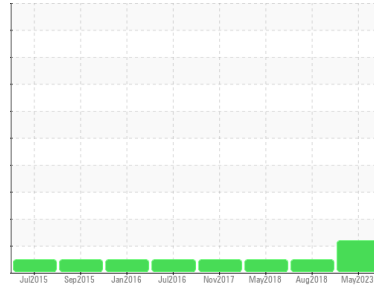


# PROBLEM SUMMARY

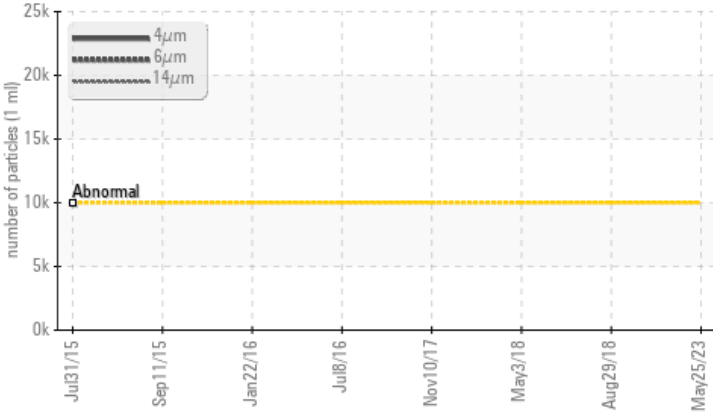
Area  
**CHIQUITA TROPICAL INGREDIENTS SA (MUNDIMAR)**  
Machine Id  
**HOWDEN HOWDEN #3**  
Component  
**Compressor**  
Fluid  
**PETRO CANADA REFLO SYNTHETIC 68A LOW TEMP FLUID (205 LTR)**

Sample Rating Trend



## COMPONENT CONDITION SUMMARY

▲ Particle Trend



## RECOMMENDATION

We recommend you service the filters on this component. We recommend an early resample to monitor this condition.

## PROBLEMATIC TEST RESULTS

Sample Status			ABNORMAL	NORMAL	NORMAL
Particles >4µm	ASTM D7647	>10000	▲ 20684	---	---
Particles >6µm	ASTM D7647	>2500	▲ 4476	---	---
Oil Cleanliness	ISO 4406 (c)	>20/18/15	▲ 22/19/14	---	---

Customer Id: INDALA  
Sample No.: PC0077176  
Lab Number: 02562230  
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  
[wesd@wearcheck.ca](mailto:wesd@wearcheck.ca)

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	---	---	?	We recommend an early resample to monitor this condition.

## HISTORICAL DIAGNOSIS

### 29 Aug 2018 Diag: Kevin Marson

NORMAL



Resample at the next service interval to monitor. All component wear rates are normal. The water content is negligible. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report



### 03 May 2018 Diag: Bill Quesnel

NORMAL



Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report



### 10 Nov 2017 Diag: Wes Davis

NORMAL

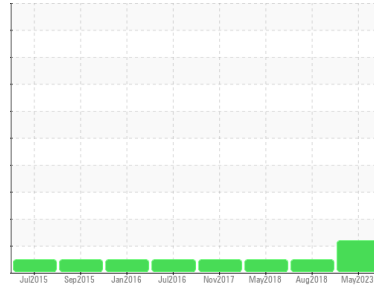


Resample at the next service interval to monitor. All component wear rates are normal. The water content is negligible. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report



Area  
**CHIQUITA TROPICAL INGREDIENTS SA (MUNDIMAR)**  
Machine Id  
**HOWDEN HOWDEN #3**  
Component  
**Compressor**  
Fluid  
**PETRO CANADA REFLO SYNTHETIC 68A LOW TEMP FLUID (205 LTR)**



**DIAGNOSIS**

**Recommendation**  
We recommend you service the filters on this component. We recommend an early resample to monitor this condition.

**Wear**  
All component wear rates are normal.

**Contamination**  
There is a moderate amount of silt (particulates < 14 microns in size) present in the oil.

**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>PC0077176</b>	PC410520	PC409186
Sample Date	Client Info		<b>25 May 2023</b>	29 Aug 2018	03 May 2018
Machine Age	yrs	Client Info	<b>1</b>	54079	51613
Oil Age	yrs	Client Info	<b>0</b>	0	0
Oil Changed	Client Info		<b>N/A</b>	Not Changd	Not Changd
Sample Status			<b>ABNORMAL</b>	NORMAL	NORMAL

**WEAR METALS**

	method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185(m)	>50	<1	4	6
Chromium	ppm	ASTM D5185(m)	>10	0	0	0
Nickel	ppm	ASTM D5185(m)		0	0	0
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)		0	0	0
Aluminum	ppm	ASTM D5185(m)	>25	0	<1	0
Lead	ppm	ASTM D5185(m)	>25	0	<1	<1
Copper	ppm	ASTM D5185(m)	>50	0	0	0
Tin	ppm	ASTM D5185(m)	>15	0	0	0
Antimony	ppm	ASTM D5185(m)		0	0	<1
Vanadium	ppm	ASTM D5185(m)		0	0	0
Beryllium	ppm	ASTM D5185(m)		0	0	0
Cadmium	ppm	ASTM D5185(m)		0	0	0

**ADDITIVES**

	method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185(m)	0	<1	0	0
Barium	ppm	ASTM D5185(m)	0	0	0	0
Molybdenum	ppm	ASTM D5185(m)	0	0	0	0
Manganese	ppm	ASTM D5185(m)		0	<1	0
Magnesium	ppm	ASTM D5185(m)	0	0	<1	0
Calcium	ppm	ASTM D5185(m)	0	0	<1	0
Phosphorus	ppm	ASTM D5185(m)	0	0	<1	<1
Zinc	ppm	ASTM D5185(m)	0	<1	4	1
Sulfur	ppm	ASTM D5185(m)	0	21	0	2
Lithium	ppm	ASTM D5185(m)		<1	0	<1

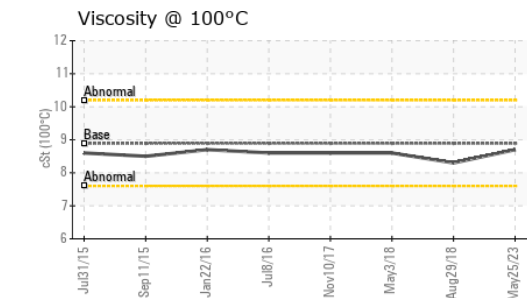
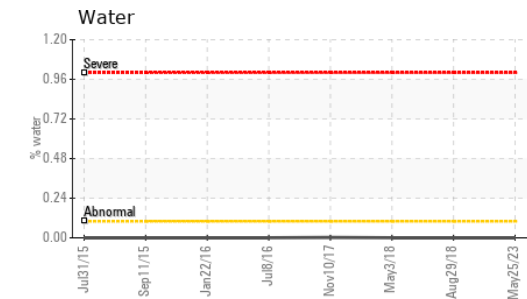
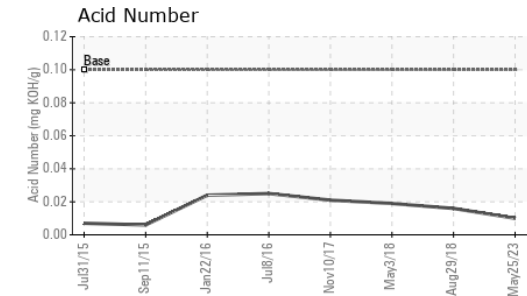
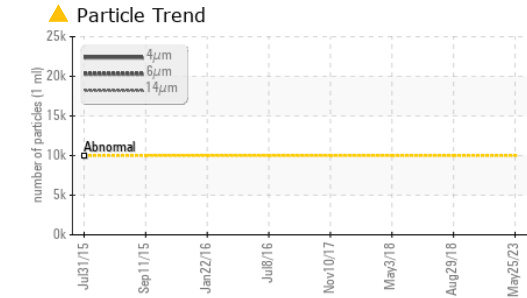
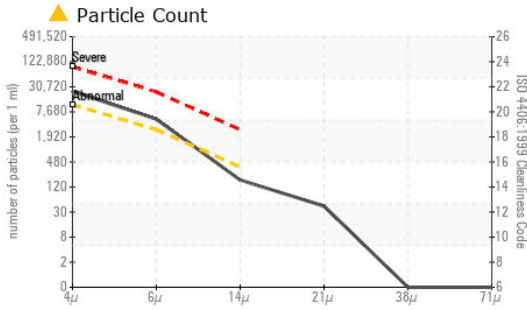
**CONTAMINANTS**

	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185(m)	>25	<1	1	<1
Sodium	ppm	ASTM D5185(m)		<1	0	0
Potassium	ppm	ASTM D5185(m)	>20	0	0	0
Water	%	ASTM D6304*	>0.1	0.00	0.000	---
ppm Water	ppm	ASTM D6304*	>1000	0.00	2.3	---

**FLUID CLEANLINESS**

	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>10000	▲ <b>20684</b>	---	---
Particles >6µm	ASTM D7647	>2500	▲ <b>4476</b>	---	---
Particles >14µm	ASTM D7647	>320	<b>156</b>	---	---
Particles >21µm	ASTM D7647	>80	<b>37</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>22/19/14</b>	---	---

# OIL ANALYSIS REPORT

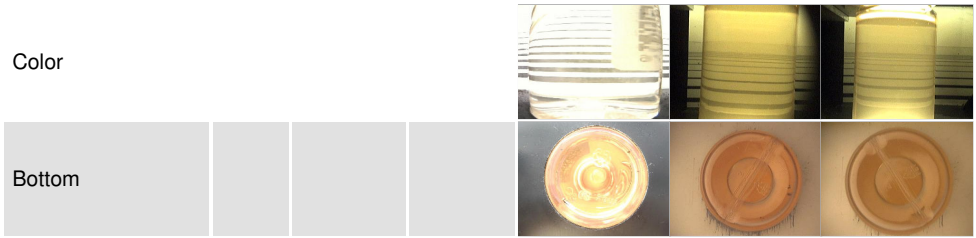


FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*	0.1	<b>0.01</b>	0.016	0.019

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

FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	61.8	<b>59.2</b>	57.4	57.8
Visc @ 100°C	cSt	ASTM D7279(m)	8.89	<b>8.7</b>	8.3	8.6
Viscosity Index (VI)	Scale	ASTM D2270*	119	<b>121</b>	114	122

## SAMPLE IMAGES



Color

Bottom



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 **INDUSTRIAS del PETROLEO CANAD. SA**  
**Sample No.** : PC0077176 **Received** : 06 Jun 2023 Contiguo FANAL, frente a la Autopista Bernardo Soto  
**Lab Number** : **02562230** **Diagnosed** : 08 Jun 2023 Grecia, A  
**Unique Number** : 5591271 **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