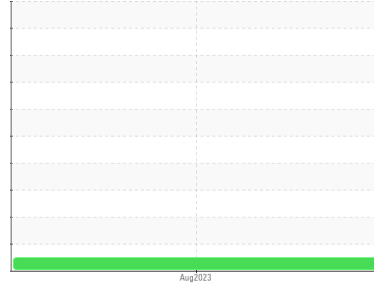


Area
TROPICAL PARADISE
Machine Id
FRICK #4
Component
4 Compressor
Fluid
PETRO CANADA REFLO 68A AMMONIA OIL (205 LTR)



DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The water content is negligible. The system and fluid cleanliness is acceptable.

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	history1	history2
Sample Number	Client Info		PC0076598	---	---
Sample Date	Client Info		03 Aug 2023	---	---
Machine Age	mths Client Info		6	---	---
Oil Age	mths Client Info		0	---	---
Oil Changed	Client Info		N/A	---	---
Sample Status			NORMAL	---	---

WEAR METALS

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

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm ASTM D5185(m)	0	<1	---	---
Barium	ppm ASTM D5185(m)	0	0	---	---
Molybdenum	ppm ASTM D5185(m)	0	0	---	---
Manganese	ppm ASTM D5185(m)		0	---	---
Magnesium	ppm ASTM D5185(m)	0	0	---	---
Calcium	ppm ASTM D5185(m)	0	<1	---	---
Phosphorus	ppm ASTM D5185(m)	0	0	---	---
Zinc	ppm ASTM D5185(m)	0	1	---	---
Sulfur	ppm ASTM D5185(m)	0	12	---	---
Lithium	ppm ASTM D5185(m)		<1	---	---

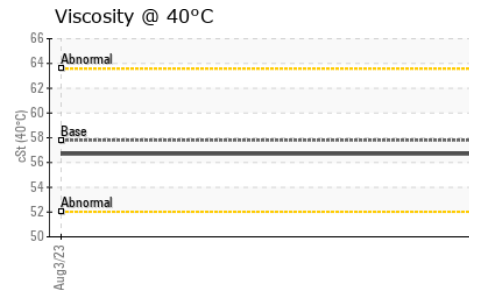
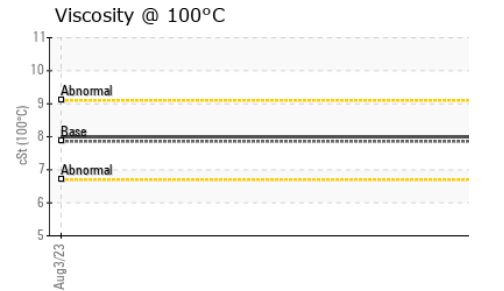
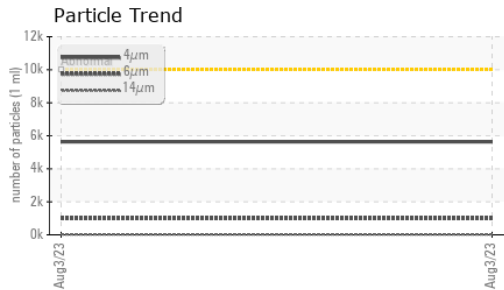
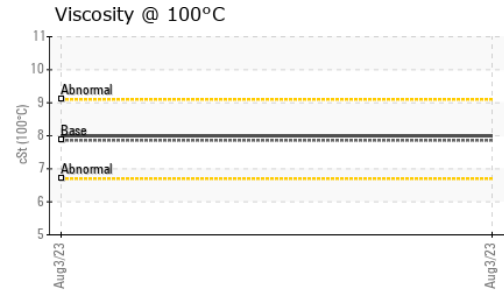
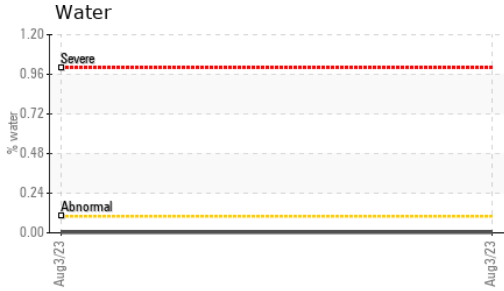
CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185(m)	>25	<1	---	---
Sodium	ppm ASTM D5185(m)		0	---	---
Potassium	ppm ASTM D5185(m)	>20	0	---	---
Water	% ASTM D6304*	>0.1	0.003	---	---
ppm Water	ppm ASTM D6304*	>1000	29.7	---	---

FLUID CLEANLINESS

	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>10000	5634	---	---
Particles >6µm	ASTM D7647	>2500	992	---	---
Particles >14µm	ASTM D7647	>320	24	---	---
Particles >21µm	ASTM D7647	>80	4	---	---
Particles >38µm	ASTM D7647	>20	1	---	---
Particles >71µm	ASTM D7647	>4	0	---	---
Oil Cleanliness	ISO 4406 (c)	>20/18/15	20/17/12	---	---

OIL ANALYSIS REPORT



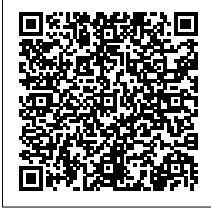
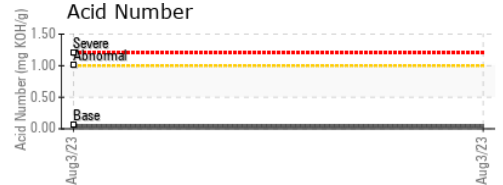
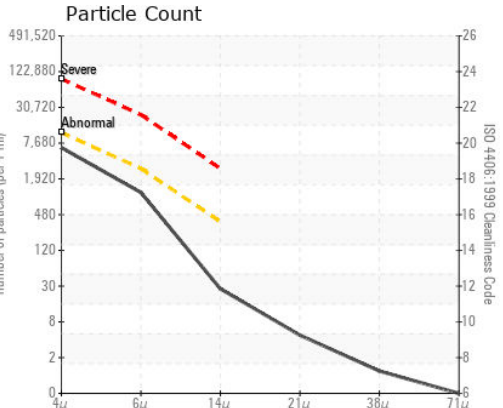
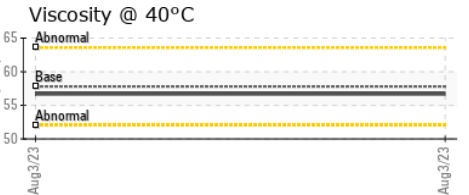
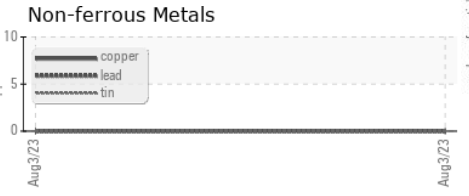
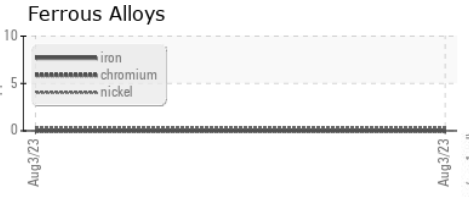
FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*	0.05	0.04	---	---

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

FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	57.8	56.7	---	---
Visc @ 100°C	cSt	ASTM D7279(m)	7.86	8	---	---
Viscosity Index (VI)	Scale	ASTM D2270*	101	107	---	---

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. : PC0076598 **Received** : 24 Aug 2023
Lab Number : 02578319 **Diagnosed** : 28 Aug 2023
Unique Number : 5631379 **Diagnostician** : Wes Davis
Test Package : IND 2 (Additional Tests: KF, KV100, TAN Man, VI)

Contiguo FANAL, frente a la Autopista Bernardo Soto
 Grecia, A
 CR
 Contact: Erick Bogantes
 cotizaciones@lubricantescanada.com
 T: 1(115)062-1598
 F: 1(115)062-2870

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.