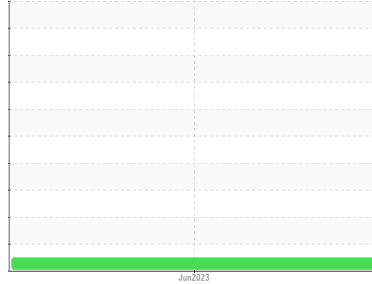


OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Area
AGRIALIM
Machine Id
TRIVENI TURBINA TRIVENI 5.9
Component
Turbine
Fluid
PETRO CANADA SUPER TURBOFLO 46 (3000 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	history 1	history 2
Sample Number	Client Info	PC0076599	---	---
Sample Date	Client Info	15 Jun 2023	---	---
Machine Age	hrs Client Info	37144	---	---
Oil Age	hrs Client Info	0	---	---
Oil Changed	Client Info	N/A	---	---
Sample Status		NORMAL	---	---

WEAR METALS

method	limit/base	current	history 1	history 2
Iron ppm ASTM D5185(m)	>15	<1	---	---
Chromium ppm ASTM D5185(m)	>4	0	---	---
Nickel ppm ASTM D5185(m)	>2	0	---	---
Titanium ppm ASTM D5185(m)		0	---	---
Silver ppm ASTM D5185(m)		0	---	---
Aluminum ppm ASTM D5185(m)	>10	<1	---	---
Lead ppm ASTM D5185(m)		0	---	---
Copper ppm ASTM D5185(m)	>5	<1	---	---
Tin ppm ASTM D5185(m)	>5	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	history 1	history 2
Boron ppm ASTM D5185(m)	0	<1	---	---
Barium ppm ASTM D5185(m)		0	---	---
Molybdenum ppm ASTM D5185(m)	0	0	---	---
Manganese ppm ASTM D5185(m)		0	---	---
Magnesium ppm ASTM D5185(m)	0	<1	---	---
Calcium ppm ASTM D5185(m)	0	<1	---	---
Phosphorus ppm ASTM D5185(m)	120	249	---	---
Zinc ppm ASTM D5185(m)	.7	7	---	---
Sulfur ppm ASTM D5185(m)	0	574	---	---
Lithium ppm ASTM D5185(m)		<1	---	---

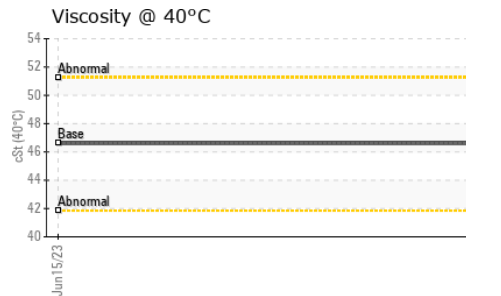
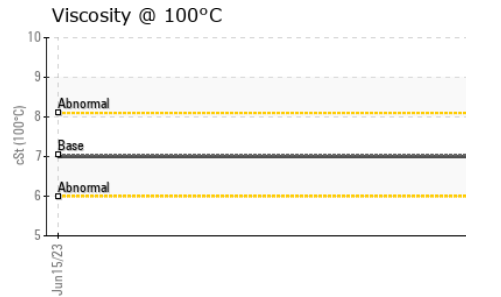
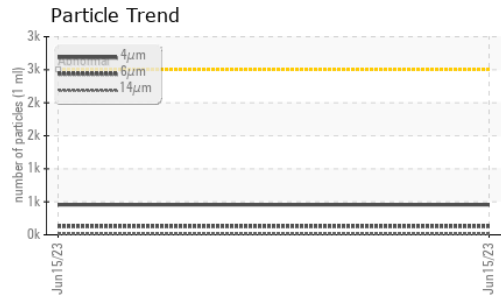
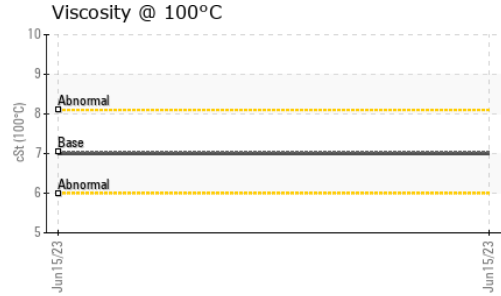
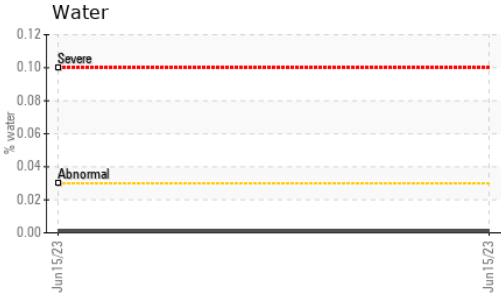
CONTAMINANTS

method	limit/base	current	history 1	history 2
Silicon ppm ASTM D5185(m)	>15	2	---	---
Sodium ppm ASTM D5185(m)		0	---	---
Potassium ppm ASTM D5185(m)	>20	0	---	---
Water % ASTM D6304*	>0.03	0.001	---	---
ppm Water ppm ASTM D6304*	>300	4.4	---	---

FLUID CLEANLINESS

method	limit/base	current	history 1	history 2
Particles >4µm ASTM D7647	>2500	455	---	---
Particles >6µm ASTM D7647	>640	129	---	---
Particles >14µm ASTM D7647	>80	9	---	---
Particles >21µm ASTM D7647	>20	3	---	---
Particles >38µm ASTM D7647	>4	0	---	---
Particles >71µm ASTM D7647	>3	0	---	---
Oil Cleanliness ISO 4406 (c)	>18/16/13	16/14/10	---	---

OIL ANALYSIS REPORT



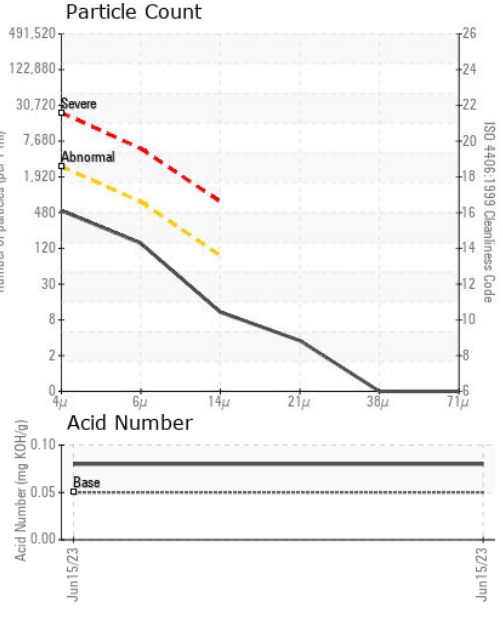
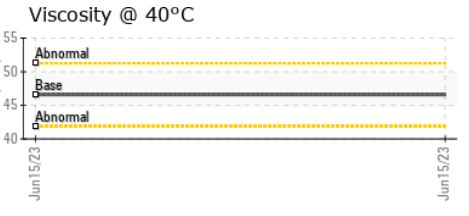
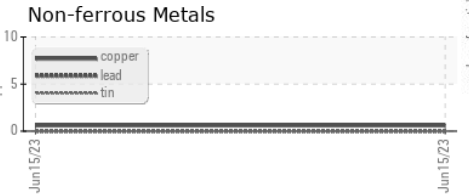
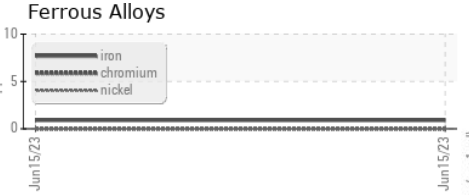
FLUID DEGRADATION		method	limit/base	current	history 1	history 2
Acid Number (AN)	mg KOH/g	ASTM D974*	0.05	0.08	---	---

VISUAL		method	limit/base	current	history 1	history 2
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*	>0.03	NEG	---	---
Free Water	scalar	Visual*		NEG	---	---

FLUID PROPERTIES		method	limit/base	current	history 1	history 2
Visc @ 40°C	cSt	ASTM D7279(m)	46.6	46.6	---	---
Visc @ 100°C	cSt	ASTM D7279(m)	7.04	7	---	---
Viscosity Index (VI)	Scale	ASTM D2270*	107	107	---	---

SAMPLE IMAGES		method	limit/base	current	history 1	history 2
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. : PC0076599 **Received** : 06 Jul 2023 Contiguo FANAL, frente a la Autopista Bernardo Soto
Lab Number : **02568237** **Diagnosed** : 07 Jul 2023 Grecia, A
Unique Number : 5605283 **Diagnostician** : Kevin Marson Costa Rica
Test Package : IND 2 (Additional Tests: KV100, VI)
 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.*