



OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Machine Id
TC STN 139

Component
Reciprocating Compressor

Fluid
PETRO CANADA TURBOFLO R&O 150 (400 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 system and fluid cleanliness is acceptable.

Fluid Condition

The condition of the oil is acceptable for the time in service.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	WC0582404	---	---
Sample Date	Client Info	19 Oct 2023	---	---
Machine Age	days Client Info	3	---	---
Oil Age	days Client Info	0	---	---
Oil Changed	Client Info	Changed	---	---
Sample Status		NORMAL	---	---

WEAR METALS

method	limit/base	current	history1	history2
Iron ppm ASTM D5185(m)	>50	<1	---	---
Chromium ppm ASTM D5185(m)	>10	0	---	---
Nickel ppm ASTM D5185(m)		0	---	---
Titanium ppm ASTM D5185(m)		0	---	---
Silver ppm ASTM D5185(m)		<1	---	---
Aluminum ppm ASTM D5185(m)	>25	0	---	---
Lead ppm ASTM D5185(m)	>25	<1	---	---
Copper ppm ASTM D5185(m)	>50	<1	---	---
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)		<1	---	---
Barium ppm ASTM D5185(m)		1	---	---
Molybdenum ppm ASTM D5185(m)		0	---	---
Manganese ppm ASTM D5185(m)		0	---	---
Magnesium ppm ASTM D5185(m)		0	---	---
Calcium ppm ASTM D5185(m)	0	<1	---	---
Phosphorus ppm ASTM D5185(m)	4	6	---	---
Zinc ppm ASTM D5185(m)	0	2	---	---
Sulfur ppm ASTM D5185(m)		822	---	---
Lithium ppm ASTM D5185(m)		<1	---	---

CONTAMINANTS

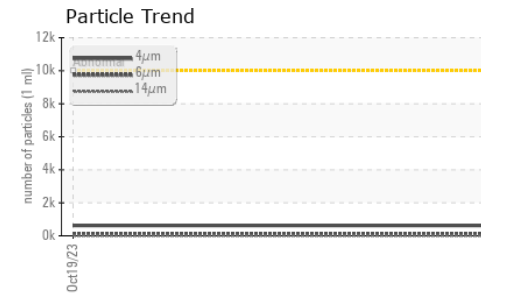
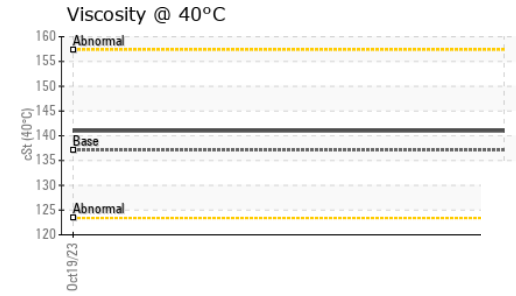
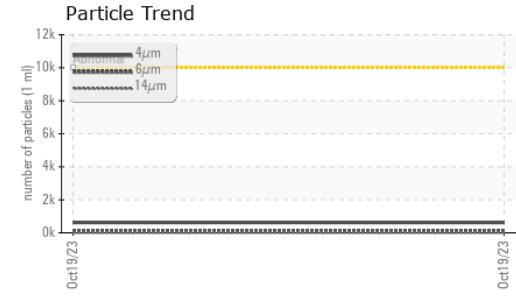
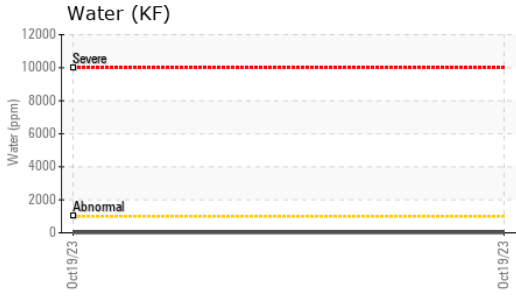
method	limit/base	current	history1	history2
Silicon ppm ASTM D5185(m)	>25	<1	---	---
Sodium ppm ASTM D5185(m)		<1	---	---
Potassium ppm ASTM D5185(m)	>20	0	---	---
Water % ASTM D6304*	>0.1	0.002	---	---
ppm Water ppm ASTM D6304*	>1000	18.6	---	---

FLUID CLEANLINESS

method	limit/base	current	history1	history2
Particles >4µm ASTM D7647	>10000	621	---	---
Particles >6µm ASTM D7647	>2500	80	---	---
Particles >14µm ASTM D7647	>320	9	---	---
Particles >21µm ASTM D7647	>80	5	---	---
Particles >38µm ASTM D7647	>20	3	---	---
Particles >71µm ASTM D7647	>4	2	---	---
Oil Cleanliness ISO 4406 (c)	>20/18/15	16/13/10	---	---



OIL ANALYSIS REPORT

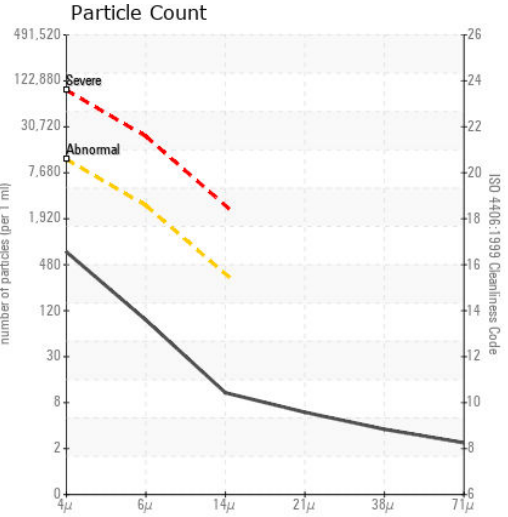
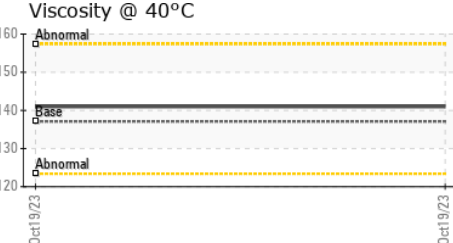
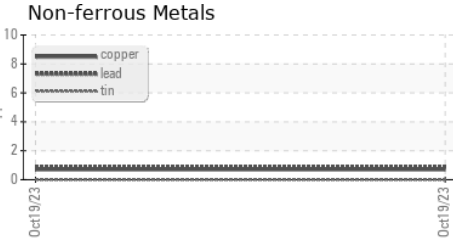
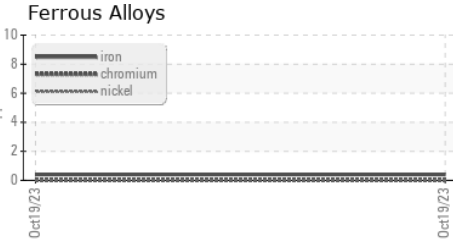


VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	---
Yellow Metal	scalar	Visual*	NONE	NONE	---
Precipitate	scalar	Visual*	NONE	NONE	---
Silt	scalar	Visual*	NONE	NONE	---
Debris	scalar	Visual*	NONE	NONE	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---
Appearance	scalar	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)	137.1	141	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					
Bottom					

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0582404
Lab Number : 02591050
Unique Number : 5668129
Test Package : TEST (Additional Tests: ICP, KF, KV40, PrtCount, Spat)
 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.

CANADIAN CHEMICAL CLEANING
 1099 HWY #6, R.R. #2
 HAMILTON, ON
 CA L8N 2Z7
 Contact: Darren MacDonald
 Darren@chemcleaning.com
 T: (905)320-6670
 F: (905)689-2998