



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
GE Unit # 4 Governor Sump

Component
Governor System

Fluid
PETRO CANADA TURBOFLO R&O 68 (1000 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		KFS0005994	---	---
Sample Date		Client Info		27 Feb 2024	---	---
Machine Age	hrs	Client Info		0	---	---
Oil Age	hrs	Client Info		0	---	---
Filter Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		Filtered	---	---
Filter Changed		Client Info		N/A	---	---
Sample Status				NORMAL	---	---

WEAR

All component wear rates are normal.

PQ		ASTM D8184*		0	---	---
Iron	ppm	ASTM D5185(m)	>50	0	---	---
Chromium	ppm	ASTM D5185(m)	>10	0	---	---
Nickel	ppm	ASTM D5185(m)	>10	0	---	---
Titanium	ppm	ASTM D5185(m)		0	---	---
Silver	ppm	ASTM D5185(m)		0	---	---
Aluminum	ppm	ASTM D5185(m)	>3	<1	---	---
Lead	ppm	ASTM D5185(m)	>75	<1	---	---
Copper	ppm	ASTM D5185(m)	>15	<1	---	---
Tin	ppm	ASTM D5185(m)	>55	<1	---	---
Vanadium	ppm	ASTM D5185(m)		0	---	---
White Metal	scalar	Visual*	NONE	NONE	---	---
Yellow Metal	scalar	Visual*	NONE	NONE	---	---

CONTAMINATION

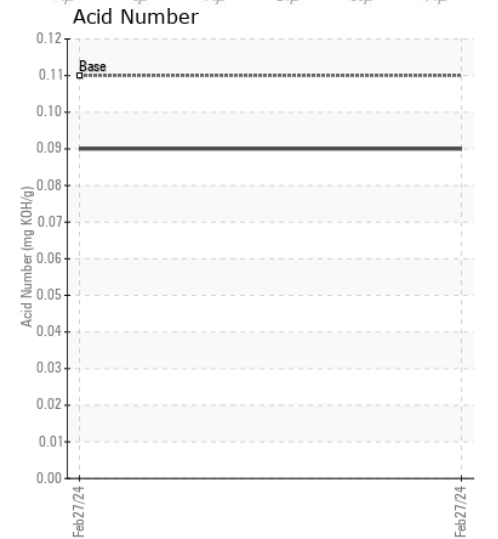
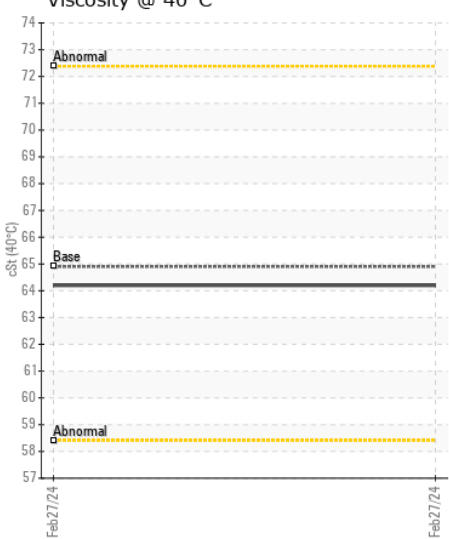
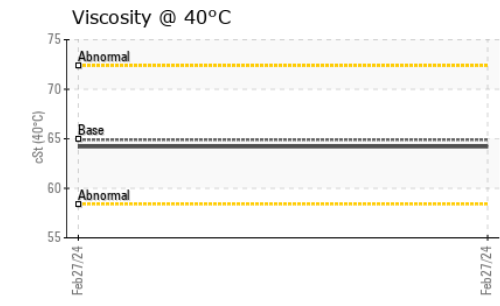
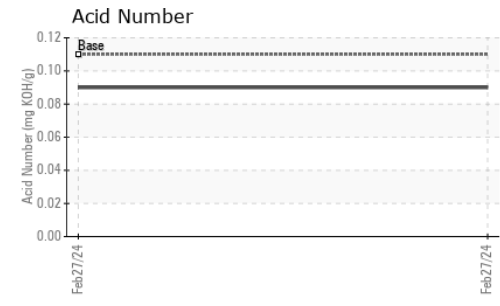
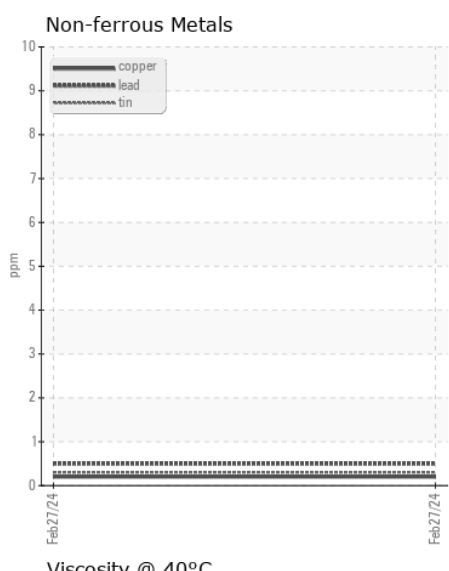
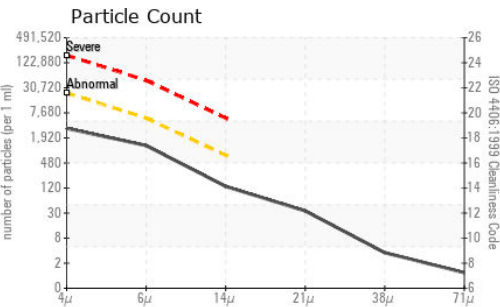
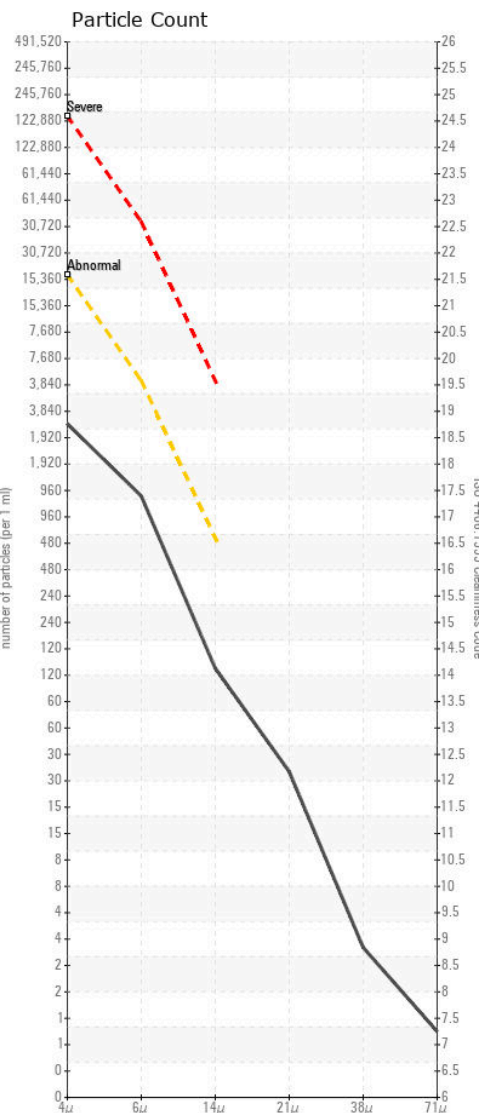
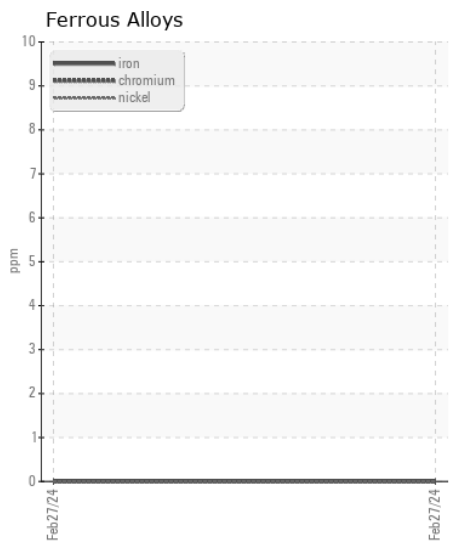
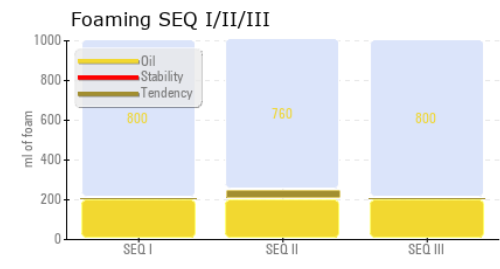
The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable.

Silicon	ppm	ASTM D5185(m)	>8	5	---	---
Potassium	ppm	ASTM D5185(m)	>20	<1	---	---
Water		WC Method	>0.1	NEG	---	---
Separability	oil/h2o/em	ASTM D1401*	41/39/0	41/39/0 (25)	---	---
Particles >4µm		ASTM D7647	>20000	2847	---	---
Particles >6µm		ASTM D7647	>50000	1104	---	---
Particles >14µm		ASTM D7647	>640	116	---	---
Particles >21µm		ASTM D7647	>160	30	---	---
Particles >38µm		ASTM D7647	>40	3	---	---
Particles >71µm		ASTM D7647	>10	1	---	---
Oil Cleanliness		ISO 4406 (c)	>21/19/16	19/17/14	---	---
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	---	---

FLUID CONDITION

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185(m)		0	---	---
Boron	ppm	ASTM D5185(m)		0	---	---
Barium	ppm	ASTM D5185(m)		0	---	---
Molybdenum	ppm	ASTM D5185(m)		0	---	---
Manganese	ppm	ASTM D5185(m)		0	---	---
Magnesium	ppm	ASTM D5185(m)		<1	---	---
Calcium	ppm	ASTM D5185(m)	0	<1	---	---
Phosphorus	ppm	ASTM D5185(m)	4	9	---	---
Zinc	ppm	ASTM D5185(m)	0	4	---	---
Sulfur	ppm	ASTM D5185(m)		173	---	---
Acid Number (AN)	mg KOH/g	ASTM D974*	0.11	0.09	---	---
Visc @ 40°C	cSt	ASTM D7279(m)	64.9	64.2	---	---
Air Release Time	min	ASTM D3427*	8	11.3	---	---
Foam Tendency	I/II/III	ASTM D892*	10	10/50/10	---	---
Foam Stability	I/II/III	ASTM D892*	0	0/0/0	---	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 **US ARMY CORPS OF ENGINEERS - OLD HICKORY**
Sample No. : KFS0005994 **Received** : 01 Mar 2024 **10 POWER PLANT RD**
Lab Number : 02619443 **Tested** : 08 Mar 2024 **HENDERSONVILLE, TN**
Unique Number : 5736553 **Diagnosed** : 08 Mar 2024 - Kevin Marson **US 37075**
Test Package : PLANT (Additional Tests: AirRelease, Foaming, H2OSeparability, TAN ManContact: Service Manager

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.

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F: