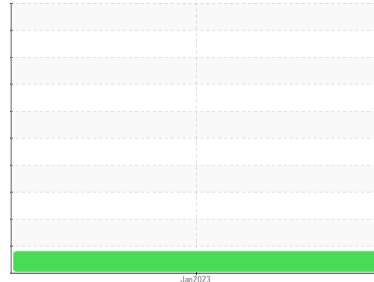




Machine Id
NO UNIT PC00714850

Component
Unknown Component

Fluid
PETRO CANADA ENDURATEX EP 220 (--- GAL)



DIAGNOSIS

- ▲ Recommendation**
Resample at the next service interval to monitor.
- Wear**
All component wear rates are normal.
- Contamination**
There is no indication of any contamination in the sample.
- ▲ Fluid Condition**
The viscosity of the oil is low indicating either Viscosity Index(VI) Improvers shearing, or the addition of a lighter grade oil. The condition of the sample is acceptable for the time in service.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	PC0071450	---	---
Sample Date	Client Info	25 Jan 2023	---	---
Machine Age	hrs Client Info	0	---	---
Oil Age	hrs Client Info	0	---	---
Oil Changed	Client Info	N/A	---	---
Sample Status		ABNORMAL	---	---

WEAR METALS

method	limit/base	current	history1	history2
Iron ppm ASTM D5185(m)		65	---	---
Chromium ppm ASTM D5185(m)		<1	---	---
Nickel ppm ASTM D5185(m)		<1	---	---
Titanium ppm ASTM D5185(m)		<1	---	---
Silver ppm ASTM D5185(m)		0	---	---
Aluminum ppm ASTM D5185(m)		6	---	---
Lead ppm ASTM D5185(m)		17	---	---
Copper ppm ASTM D5185(m)		40	---	---
Tin ppm ASTM D5185(m)		<1	---	---
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)	60	6	---	---
Barium ppm ASTM D5185(m)	0	0	---	---
Molybdenum ppm ASTM D5185(m)	0	4	---	---
Manganese ppm ASTM D5185(m)	0	1	---	---
Magnesium ppm ASTM D5185(m)	0	55	---	---
Calcium ppm ASTM D5185(m)	0	69	---	---
Phosphorus ppm ASTM D5185(m)	270	417	---	---
Zinc ppm ASTM D5185(m)	0	90	---	---
Sulfur ppm ASTM D5185(m)	11200	4633	---	---
Lithium ppm ASTM D5185(m)		<1	---	---

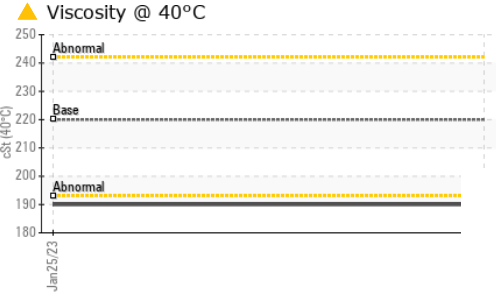
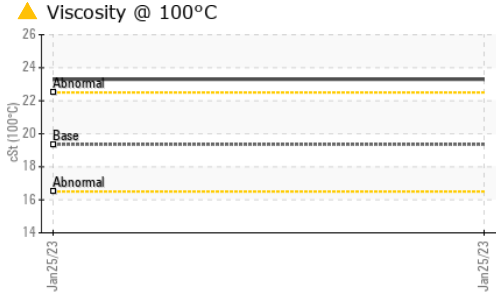
CONTAMINANTS

method	limit/base	current	history1	history2
Silicon ppm ASTM D5185(m)		28	---	---
Sodium ppm ASTM D5185(m)		2	---	---
Potassium ppm ASTM D5185(m)	>20	2	---	---

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*		NEG	---	---
Free Water scalar Visual*		NEG	---	---

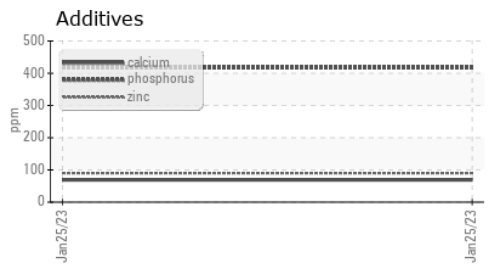
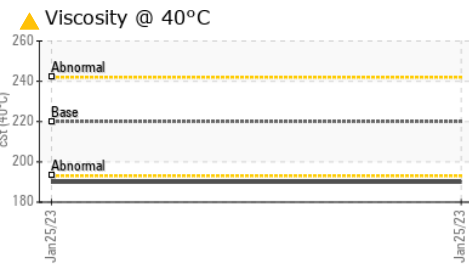
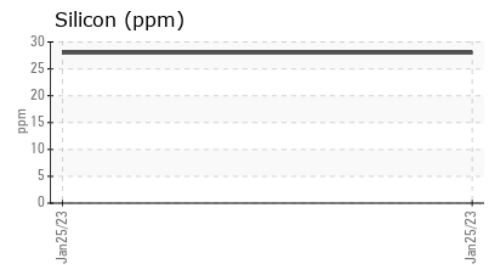
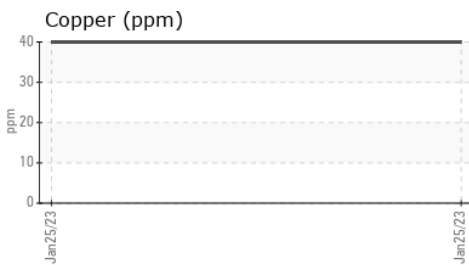
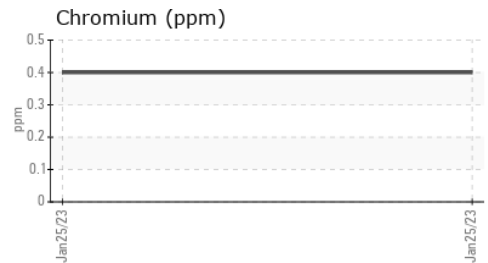
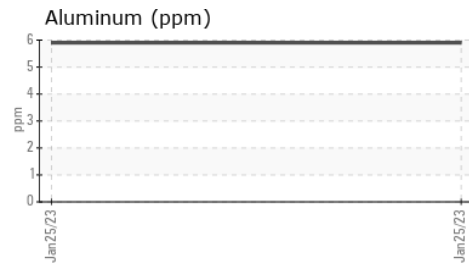
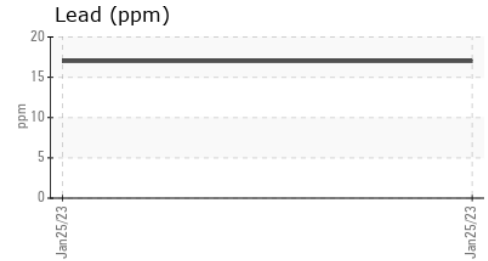
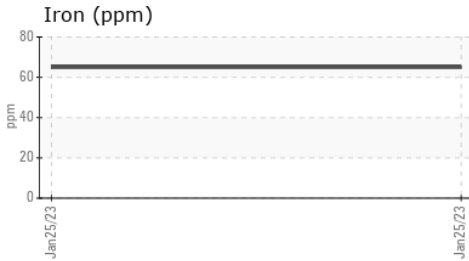
OIL ANALYSIS REPORT



FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	220	▲ 190	---	---
Visc @ 100°C	cSt	ASTM D7279(m)	19.35	▲ 23.3	---	---
Viscosity Index (VI)	Scale	ASTM D2270*	99	150	---	---

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
Sample No. : PC0071450 **Received** : 26 Jan 2023
Lab Number : 02535699 **Diagnosed** : 27 Jan 2023
Unique Number : 5516698 **Diagnostician** : Bill Quesnel
Test Package : MOB 1 (Additional Tests: KV100, VI)

WEARCHECK CANADA INC.
 C8-1175 Appleby Line
 BURLINGTON, ON
 CA L7L 5H9
 Contact: Dorian Anderson
 dorian.anderson@wearcheck.com
 T:
 F: (905)569-8605

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.