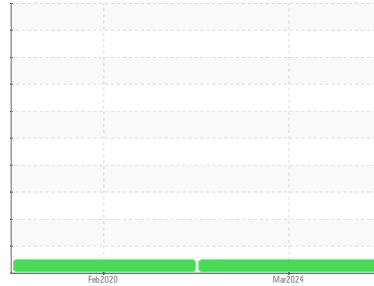


# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Machine Id  
**TS88 L-14 SAT**

Component  
**Gearbox**  
Fluid

**PETRO CANADA ENDURATEX EP 460 (27 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 oil.

### 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	<b>PCA0119619</b>	PCA0012623	---
Sample Date	Client Info	<b>08 Mar 2024</b>	22 Feb 2020	---
Machine Age	hrs	Client Info	<b>0</b>	0
Oil Age	hrs	Client Info	<b>0</b>	0
Oil Changed	Client Info	<b>N/A</b>	N/A	---
Sample Status		<b>NORMAL</b>	NORMAL	---

## CONTAMINATION

method	limit/base	current	history1	history2
Water	WC Method >0.2	<b>NEG</b>	NEG	---

## WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm ASTM D5185m >200	<b>9</b>	20	---
Chromium	ppm ASTM D5185m >15	<b>0</b>	<1	---
Nickel	ppm ASTM D5185m >15	<b>0</b>	<1	---
Titanium	ppm ASTM D5185m	<b>2</b>	1	---
Silver	ppm ASTM D5185m	<b>0</b>	0	---
Aluminum	ppm ASTM D5185m >25	<b>0</b>	0	---
Lead	ppm ASTM D5185m >100	<b>0</b>	<1	---
Copper	ppm ASTM D5185m >200	<b>&lt;1</b>	<1	---
Tin	ppm ASTM D5185m >25	<b>&lt;1</b>	<1	---
Antimony	ppm ASTM D5185m >5	<b>---</b>	0	---
Vanadium	ppm ASTM D5185m	<b>0</b>	0	---
Cadmium	ppm ASTM D5185m	<b>0</b>	0	---

## ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m 55	<b>44</b>	13	---
Barium	ppm ASTM D5185m 0	<b>0</b>	0	---
Molybdenum	ppm ASTM D5185m 0	<b>0</b>	<1	---
Manganese	ppm ASTM D5185m 0	<b>0</b>	<1	---
Magnesium	ppm ASTM D5185m 2	<b>0</b>	0	---
Calcium	ppm ASTM D5185m 6	<b>0</b>	4	---
Phosphorus	ppm ASTM D5185m 240	<b>228</b>	272	---
Zinc	ppm ASTM D5185m 3	<b>0</b>	0	---
Sulfur	ppm ASTM D5185m 10310	<b>11752</b>	6433	---

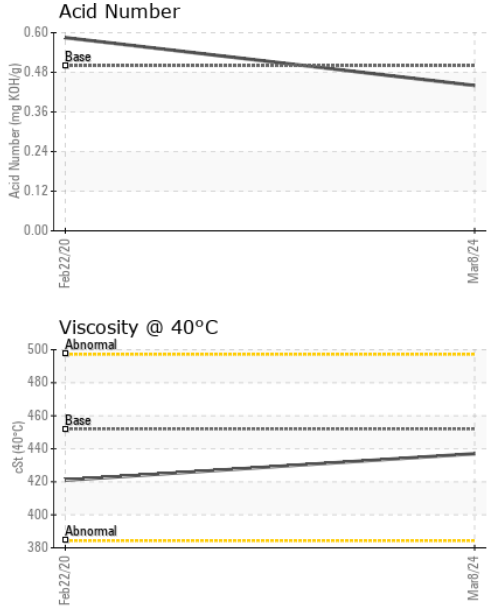
## CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >50	<b>7</b>	6	---
Sodium	ppm ASTM D5185m	<b>&lt;1</b>	1	---
Potassium	ppm ASTM D5185m >20	<b>0</b>	<1	---

## FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g ASTM D8045 0.5	<b>0.44</b>	0.585	---

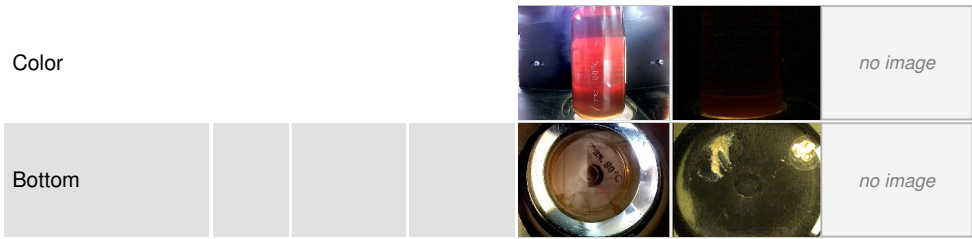
# OIL ANALYSIS REPORT



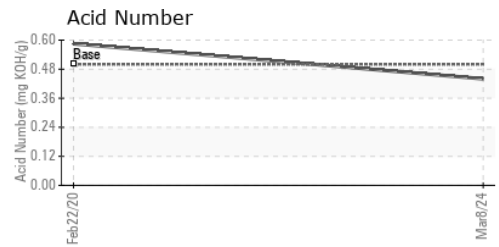
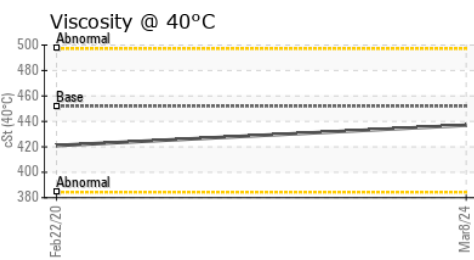
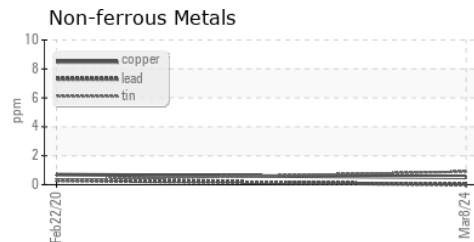
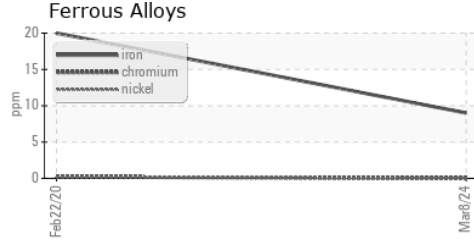
VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Precipitate	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Debris	scalar	*Visual	NONE	<b>NONE</b>	LIGHT	---
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Emulsified Water	scalar	*Visual	>0.2	<b>NEG</b>	NEG	---
Free Water	scalar	*Visual		<b>NEG</b>	NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 452	<b>437</b>	421	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
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## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0119619      **Received** : 15 Mar 2024  
**Lab Number** : **06120261**      **Tested** : 19 Mar 2024  
**Unique Number** : 10929094      **Diagnosed** : 19 Mar 2024 - Wes Davis  
**Test Package** : IND 2

**CERTAINTED CORP**  
 701 E WASHINGTON ST  
 JACKSON, MI  
 US 49203

Contact: SIDNEY CHAPPELL  
 SIDNEY.A.CHAPPELL@SAINT-GOBAIN.COM

To discuss this sample report, contact Customer Service at 1-800-237-1369.

\* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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