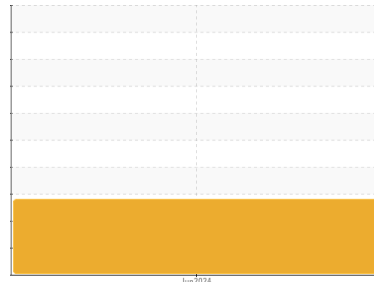


# OIL ANALYSIS REPORT

Sample Rating Trend



**WATER**



Machine Id  
**Kaiser France - Crankcase**  
 Component  
**Reciprocating Compressor**  
 Fluid  
**PETRO CANADA SENTRON ASHLESS 40 (--- GAL)**

## DIAGNOSIS

### Recommendation

We advise that you check the fuel injection system. We advise that you check for the source of water entry. We recommend an early resample to monitor this condition. ( Customer Sample Comment: Suspected water or other fluid contamination )

### Wear

All component wear rates are normal.

### Contamination

There is a moderate amount of fuel present in the oil. There is a moderate concentration of water present in the oil.

### Fluid Condition

Fuel is present in the oil and is lowering the viscosity. The BN result indicates that there is suitable alkalinity remaining in the oil.

## SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	<b>PCA0130763</b>	---	---
Sample Date	Client Info	<b>26 Jun 2024</b>	---	---
Machine Age	hrs Client Info	<b>0</b>	---	---
Oil Age	hrs Client Info	<b>0</b>	---	---
Oil Changed	Client Info	<b>N/A</b>	---	---
Sample Status		<b>ABNORMAL</b>	---	---

## WEAR METALS

method	limit/base	current	history1	history2
Iron ppm ASTM D5185m	>50	<b>14</b>	---	---
Chromium ppm ASTM D5185m	>10	<b>2</b>	---	---
Nickel ppm ASTM D5185m		<b>0</b>	---	---
Titanium ppm ASTM D5185m		<b>0</b>	---	---
Silver ppm ASTM D5185m		<b>0</b>	---	---
Aluminum ppm ASTM D5185m	>25	<b>&lt;1</b>	---	---
Lead ppm ASTM D5185m	>25	<b>0</b>	---	---
Copper ppm ASTM D5185m	>50	<b>2</b>	---	---
Tin ppm ASTM D5185m	>15	<b>1</b>	---	---
Vanadium ppm ASTM D5185m		<b>0</b>	---	---
Cadmium ppm ASTM D5185m		<b>0</b>	---	---

## ADDITIVES

method	limit/base	current	history1	history2
Boron ppm ASTM D5185m	106	<b>32</b>	---	---
Barium ppm ASTM D5185m	<1	<b>0</b>	---	---
Molybdenum ppm ASTM D5185m	<1	<b>3</b>	---	---
Manganese ppm ASTM D5185m	<1	<b>0</b>	---	---
Magnesium ppm ASTM D5185m	<1	<b>9</b>	---	---
Calcium ppm ASTM D5185m		<b>949</b>	---	---
Phosphorus ppm ASTM D5185m	657	<b>444</b>	---	---
Zinc ppm ASTM D5185m		<b>248</b>	---	---
Sulfur ppm ASTM D5185m	255	<b>2846</b>	---	---

## CONTAMINANTS

method	limit/base	current	history1	history2
Silicon ppm ASTM D5185m	>25	<b>5</b>	---	---
Sodium ppm ASTM D5185m		<b>2</b>	---	---
Potassium ppm ASTM D5185m	>20	<b>0</b>	---	---
Fuel % ASTM D3524		<b>▲ 4.1</b>	---	---
Water % ASTM D6304	>0.1	<b>▲ 0.416</b>	---	---
ppm Water ppm ASTM D6304	>1000	<b>▲ 4160</b>	---	---

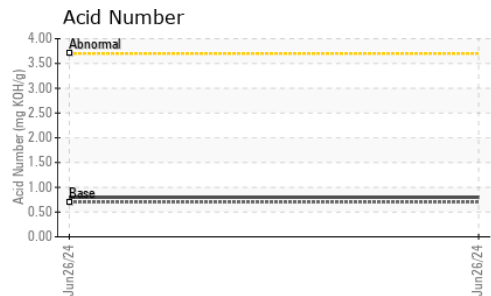
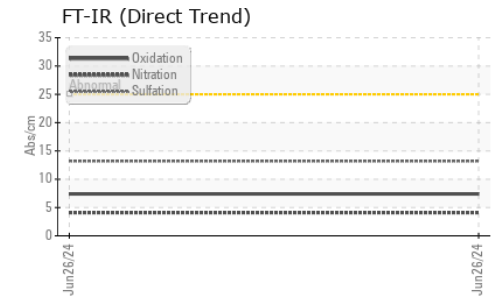
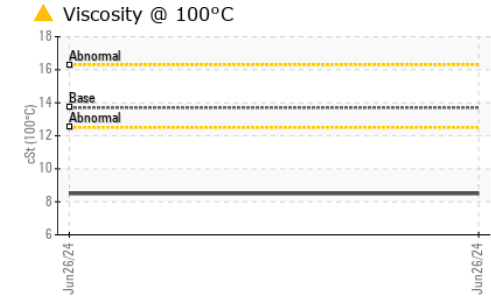
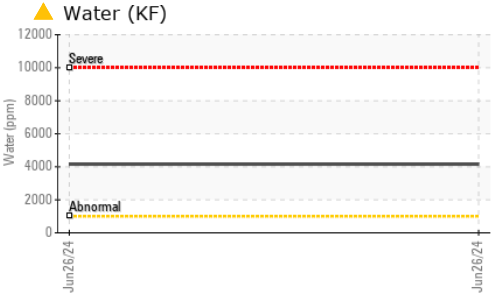
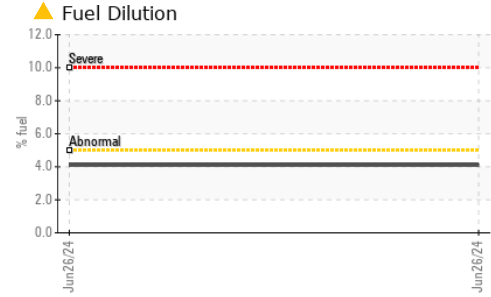
## INFRA-RED

method	limit/base	current	history1	history2
Soot % *ASTM D7844		<b>0</b>	---	---
Nitration Abs/cm *ASTM D7624		<b>4.1</b>	---	---
Sulfation Abs/.1mm *ASTM D7415		<b>13.2</b>	---	---

## FLUID DEGRADATION

method	limit/base	current	history1	history2
Oxidation Abs/.1mm *ASTM D7414		<b>7.4</b>	---	---
Acid Number (AN) mg KOH/g ASTM D8045	0.7	<b>0.80</b>	---	---
Base Number (BN) mg KOH/g ASTM D2896	1.6	<b>3.27</b>	---	---

# OIL ANALYSIS REPORT

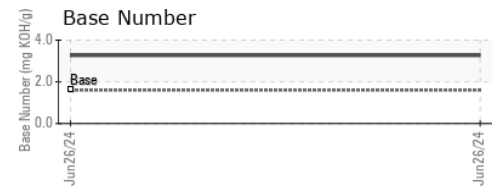
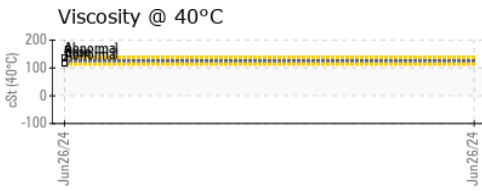
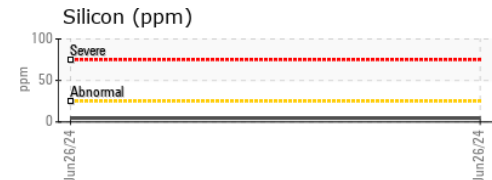
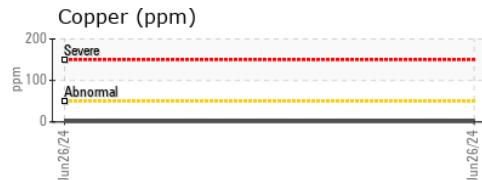
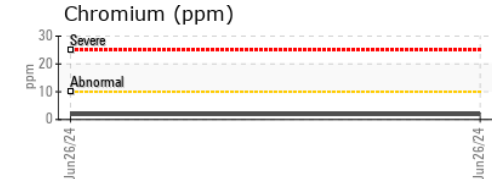
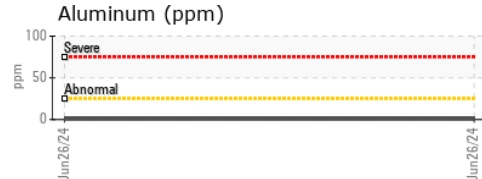
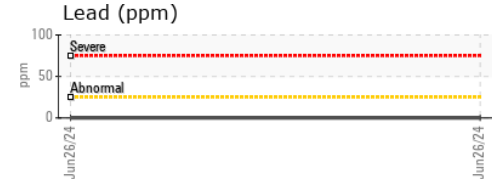
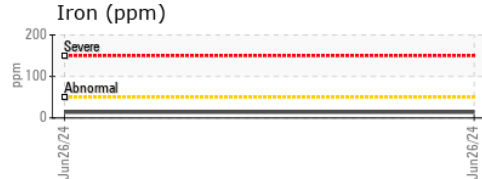


VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	*Visual	NONE	<b>NONE</b>	---	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	---	---
Precipitate	scalar	*Visual	NONE	<b>NONE</b>	---	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	---	---
Debris	scalar	*Visual	NONE	<b>NONE</b>	---	---
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	---	---
Appearance	scalar	*Visual	NORML	<b>NORML</b>	---	---
Odor	scalar	*Visual	NORML	<b>NORML</b>	---	---
Emulsified Water	scalar	*Visual	>0.1	<b>0.2%</b>	---	---
Free Water	scalar	*Visual		<b>NEG</b>	---	---

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 100°C	cSt	ASTM D445	13.7	<b>▲ 8.5</b>	---	---

SAMPLE IMAGES	method	limit/base	current	history1	history2	
Color				<i>no image</i>	<i>no image</i>	<i>no image</i>
Bottom				<i>no image</i>	<i>no image</i>	<i>no image</i>

## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0130763  
**Lab Number** : 06225323  
**Unique Number** : 11103520  
**Test Package** : MOB 2 ( Additional Tests: FT-IR, FuelDilution, KF, KV100, PercentFuel, TBNC)

**PETRO-CANADA LUBRICANTS - GARRETT BAPP**  
 2416 N 12TH ST  
 BROKEN ARROW, OK  
 US 74012  
 Contact: GARRETT BAPP

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)