



# PROBLEM SUMMARY

Sample Rating Trend

WEAR

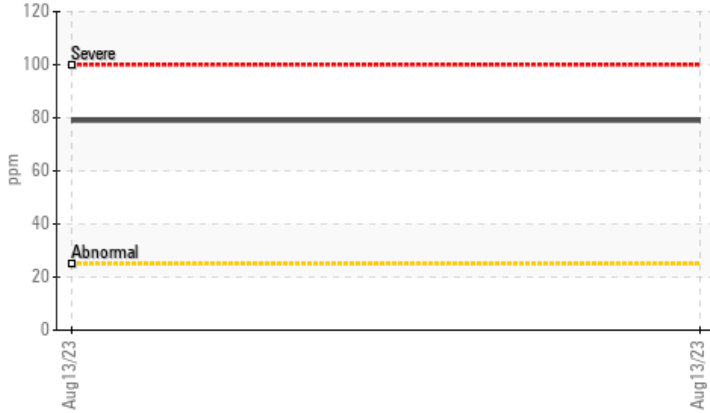


Area  
**[93186132]**  
Machine Id  
**HT-1**  
Component  
**Upper Gearbox**  
Fluid  
**PETRO CANADA 220 (--- GAL)**



## COMPONENT CONDITION SUMMARY

### ▲ Aluminum (ppm)



## RECOMMENDATION

No corrective action is recommended at this time.  
Resample at the next service interval to monitor.

## PROBLEMATIC TEST RESULTS

Sample Status				ABNORMAL	---	---
Aluminum	ppm	ASTM D5185m	>25	▲ 79	---	---
Debris	scalar	*Visual	NONE	▲ MODER	---	---

Customer Id: CONARCOH  
Sample No.: WC0847242  
Lab Number: 05926792  
Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:  
Don Baldrige +1  
[don.b505@comcast.net](mailto:don.b505@comcast.net)

To change component or sample information:  
Customer Service +1 1-800-237-1369  
[customerservice@wearcheck.com](mailto:customerservice@wearcheck.com)

## RECOMMENDED ACTIONS

*There are no recommended actions for this sample.*

## HISTORICAL DIAGNOSIS



# OIL ANALYSIS REPORT

Sample Rating Trend

**WEAR**



Area  
**[93186132]**  
 Machine Id  
**HT-1**  
 Component  
**Upper Gearbox**  
 Fluid  
**PETRO CANADA 220 (--- GAL)**



## DIAGNOSIS

### ▲ Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

### ▲ Wear

The aluminum level is abnormal. All other component wear rates are normal.

### ▲ Contamination

Moderate concentration of visible dirt/debris present 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>WC0847242</b>	---	---
Sample Date	Client Info		<b>13 Aug 2023</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	>200	<b>163</b>	---
Chromium	ppm	ASTM D5185m	>15	<b>2</b>	---
Nickel	ppm	ASTM D5185m	>15	<b>0</b>	---
Titanium	ppm	ASTM D5185m		<b>42</b>	---
Silver	ppm	ASTM D5185m		<b>0</b>	---
Aluminum	ppm	ASTM D5185m	>25	<b>▲ 79</b>	---
Lead	ppm	ASTM D5185m	>100	<b>0</b>	---
Copper	ppm	ASTM D5185m	>200	<b>0</b>	---
Tin	ppm	ASTM D5185m	>25	<b>0</b>	---
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	---
Cadmium	ppm	ASTM D5185m		<b>&lt;1</b>	---

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		<b>0</b>	---
Barium	ppm	ASTM D5185m		<b>0</b>	---
Molybdenum	ppm	ASTM D5185m		<b>0</b>	---
Manganese	ppm	ASTM D5185m		<b>2</b>	---
Magnesium	ppm	ASTM D5185m		<b>4</b>	---
Calcium	ppm	ASTM D5185m		<b>406</b>	---
Phosphorus	ppm	ASTM D5185m		<b>550</b>	---
Zinc	ppm	ASTM D5185m		<b>45</b>	---
Sulfur	ppm	ASTM D5185m		<b>216</b>	---

## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	<b>7</b>	---
Sodium	ppm	ASTM D5185m		<b>45</b>	---
Potassium	ppm	ASTM D5185m	>20	<b>3</b>	---

## FLUID DEGRADATION

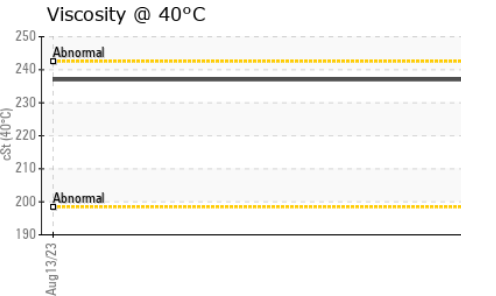
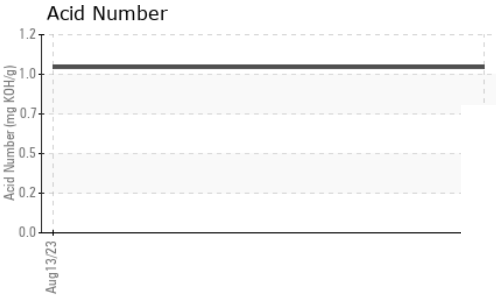
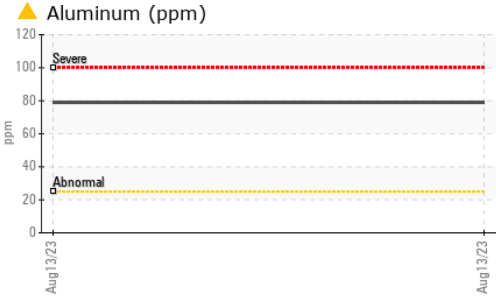
	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		<b>1.003</b>	---

## 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>▲ MODER</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	>0.2	<b>NEG</b>	---
Free Water	scalar	*Visual		<b>NEG</b>	---



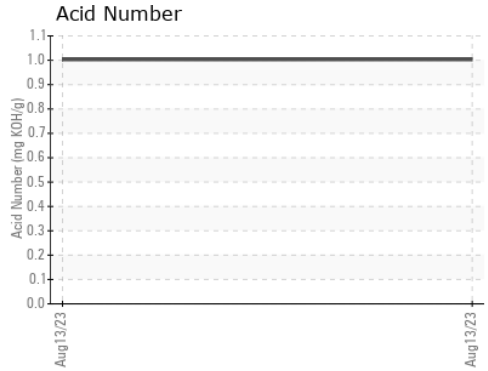
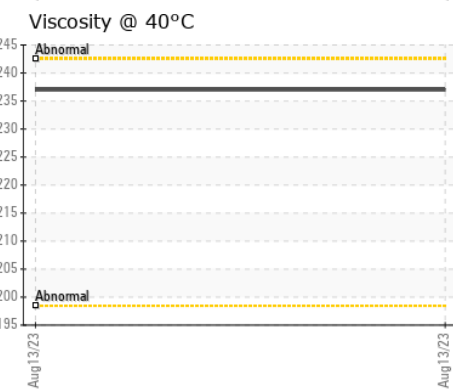
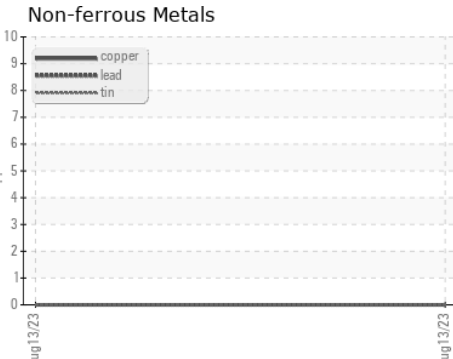
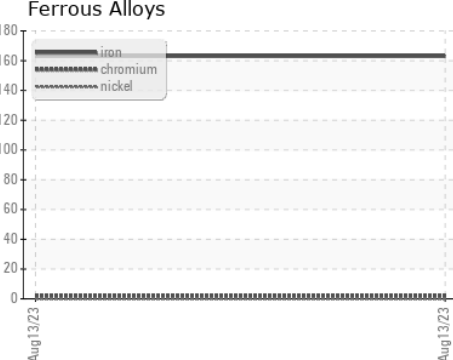
# OIL ANALYSIS REPORT



FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	<b>237</b>	---	---

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

## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0847242      **Received** : 16 Aug 2023  
**Lab Number** : **05926792**      **Diagnosed** : 18 Aug 2023  
**Unique Number** : 10606739      **Diagnostician** : Don Baldrige  
**Test Package** : IND 2

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Certificate L2367  
 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)