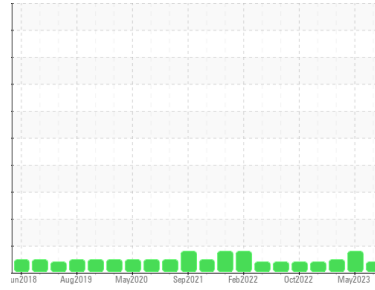


# PROBLEM SUMMARY

Sample Rating Trend



VIS DEBRIS



Machine Id  
**L-5 62 DISTRIBUTION**  
 Component  
**Gearbox**  
 Fluid  
**PETRO CANADA ENDURATEX EP 460 (5 GAL)**

## COMPONENT CONDITION SUMMARY

No relevant graphs to display

## RECOMMENDATION

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

## PROBLEMATIC TEST RESULTS

Sample Status		ABNORMAL	ABNORMAL	NORMAL
Debris	scalar *Visual	▲ MODER	▲ MODER	LIGHT

Customer Id: CERCLA  
 Sample No.: PCA0091858  
 Lab Number: 05921564  
 Test Package: PLANT



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

### 02 May 2023 Diag: Don Baldrige

#### VISCOSITY



No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. Moderate concentration of visible dirt/debris present in the oil. The oil viscosity is lower than normal. The AN level is acceptable for this fluid.

view report



### 15 Feb 2023 Diag: Wes Davis

#### NORMAL



Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report



### 15 Feb 2023 Diag: Don Baldrige

#### VISCOSITY



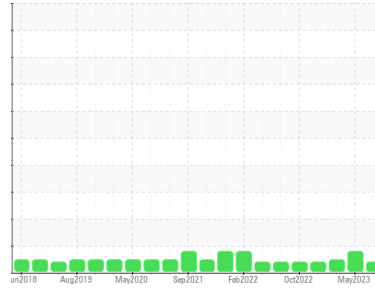
No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The oil viscosity is lower than normal. The AN level is acceptable for this fluid.

view report



Machine Id  
**L-5 62 DISTRIBUTION**

Component  
**Gearbox**  
Fluid  
**PETRO CANADA ENDURATEX EP 460 (5 GAL)**



## DIAGNOSIS

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

**Wear**  
All 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>PCA0091858</b>	PCA0091889	PCA0091882
Sample Date	Client Info	<b>26 Jul 2023</b>	02 May 2023	15 Feb 2023
Machine Age	hrs	<b>0</b>	0	0
Oil Age	hrs	<b>0</b>	0	0
Oil Changed	Client Info	<b>N/A</b>	N/A	N/A
Sample Status		<b>ABNORMAL</b>	ABNORMAL	NORMAL

## WEAR METALS

method	limit/base	current	history1	history2
PQ	ASTM D8184	<b>16</b>	14	16
Iron	ppm ASTM D5185m >200	<b>5</b>	16	34
Chromium	ppm ASTM D5185m >15	<b>&lt;1</b>	0	<1
Nickel	ppm ASTM D5185m >15	<b>&lt;1</b>	0	0
Titanium	ppm ASTM D5185m	<b>&lt;1</b>	<1	2
Silver	ppm ASTM D5185m	<b>0</b>	0	0
Aluminum	ppm ASTM D5185m >25	<b>2</b>	0	0
Lead	ppm ASTM D5185m >100	<b>0</b>	0	<1
Copper	ppm ASTM D5185m >200	<b>1</b>	2	3
Tin	ppm ASTM D5185m >25	<b>&lt;1</b>	<1	0
Vanadium	ppm ASTM D5185m	<b>&lt;1</b>	0	0
Cadmium	ppm ASTM D5185m	<b>0</b>	0	0

## ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m 55	<b>25</b>	11	17
Barium	ppm ASTM D5185m 0	<b>0</b>	0	0
Molybdenum	ppm ASTM D5185m 0	<b>0</b>	0	0
Manganese	ppm ASTM D5185m 0	<b>0</b>	<1	<1
Magnesium	ppm ASTM D5185m 2	<b>0</b>	<1	<1
Calcium	ppm ASTM D5185m 6	<b>3</b>	6	3
Phosphorus	ppm ASTM D5185m 240	<b>583</b>	369	397
Zinc	ppm ASTM D5185m 3	<b>&lt;1</b>	1	9
Sulfur	ppm ASTM D5185m 10310	<b>8810</b>	7312	4833

## CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >50	<b>2</b>	3	4
Sodium	ppm ASTM D5185m	<b>5</b>	0	0
Potassium	ppm ASTM D5185m >20	<b>1</b>	1	1

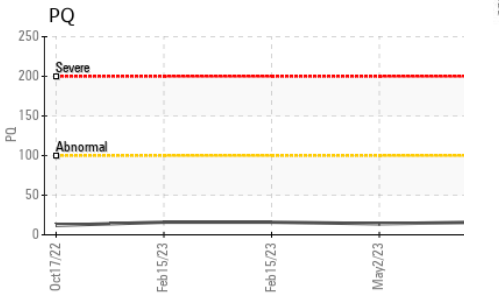
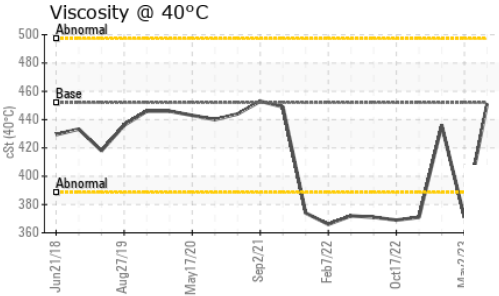
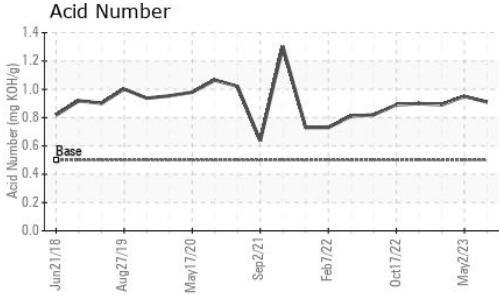
## FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g ASTM D8045 0.5	<b>0.91</b>	0.95	0.89

## VISUAL

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

# OIL ANALYSIS REPORT

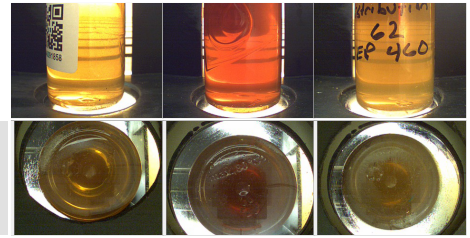


FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	452	451	▲ 371	436

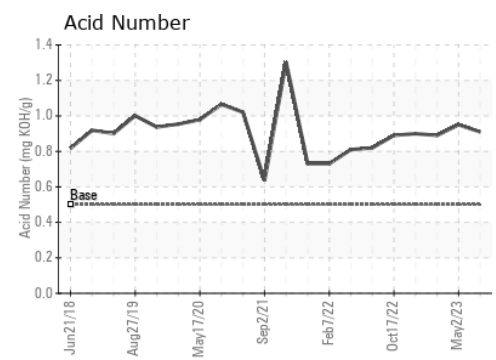
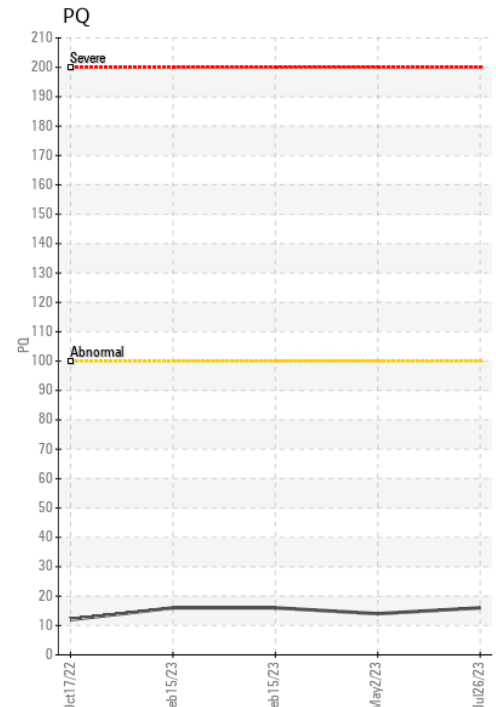
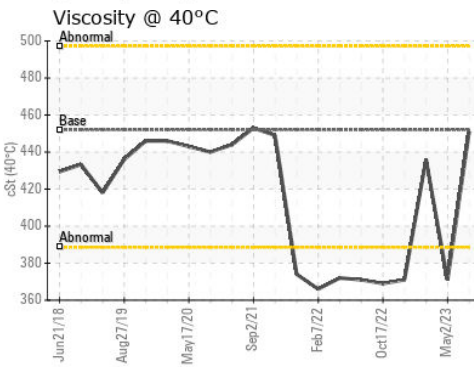
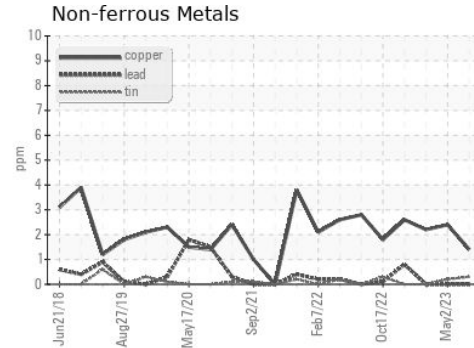
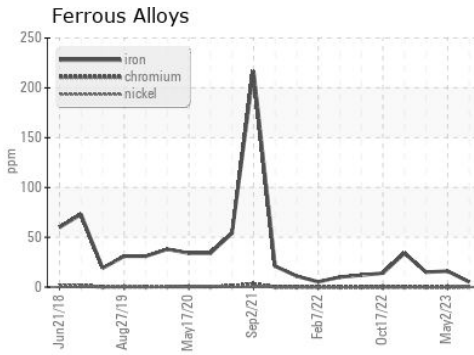
SAMPLE IMAGES		method	limit/base	current	history1	history2
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Color

Bottom



## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0091858 **Received** : 10 Aug 2023  
**Lab Number** : 05921564 **Diagnosed** : 12 Aug 2023  
**Unique Number** : 10593478 **Diagnostician** : Don Baldrige  
**Test Package** : PLANT

**CERTAINTED VINYL PLANT**  
 2651 PENNY RD  
 CLAREMONT, NC  
 US 28613  
 Contact: BRUCE JAMES  
 bruce.a.james@saint-gobain.com  
 T: (828)459-3320  
 F: (828)459-3329

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)