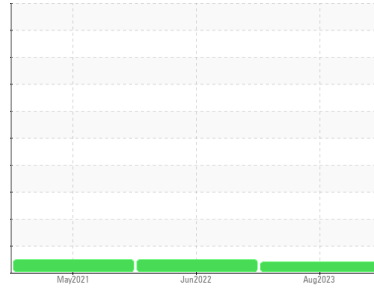


# PROBLEM SUMMARY

Sample Rating Trend



**VIS DEBRIS**



Machine Id  
**MINSTER MINSTER 34**  
 Component  
**Gearbox**  
 Fluid  
**PETRO CANADA DURATRAN (40 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				<b>ABNORMAL</b>	NORMAL	NORMAL
Debris	scalar	*Visual	NONE	<b>▲ MODER</b>	NONE	NONE

**Customer Id:** TRELK  
**Sample No.:** PCA0104043  
**Lab Number:** 05935091  
**Test Package:** IND 1



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

### 22 Jun 2022 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 condition of the oil is acceptable for the time in service.

view report



### 24 May 2021 Diag: Wes Davis

NORMAL



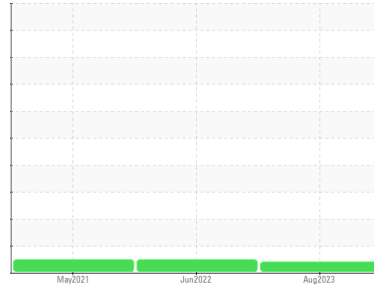
Resample at the next service interval to monitor. Please contact your representative for information regarding the proper sampling kits for your service. NOTE: We recommend using IND 2 test kits, this testkit includes AN to determine the suitability of the oil for continued use. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service (unconfirmed).

view report



# OIL ANALYSIS REPORT

## Sample Rating Trend



## VIS DEBRIS



Machine Id  
**MINSTER MINSTER 34**  
 Component  
**Gearbox**  
 Fluid  
**PETRO CANADA DURATRAN (40 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 condition of the oil is acceptable for the time in service.

### SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	<b>PCA0104043</b>	PCA0076578	PCA0032694
Sample Date	Client Info	<b>24 Aug 2023</b>	22 Jun 2022	24 May 2021
Machine Age	hrs	Client Info	0	0
Oil Age	hrs	Client Info	0	0
Oil Changed	Client Info	<b>Not Changed</b>	Not Changed	Not Changed
Sample Status		<b>ABNORMAL</b>	NORMAL	NORMAL

### WEAR METALS

method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185m >200	<b>1</b>	1	2
Chromium	ppm	ASTM D5185m >15	<b>0</b>	0	<1
Nickel	ppm	ASTM D5185m >15	<b>0</b>	0	0
Titanium	ppm	ASTM D5185m	<b>0</b>	<1	<1
Silver	ppm	ASTM D5185m	<b>0</b>	0	<1
Aluminum	ppm	ASTM D5185m >25	<b>0</b>	<1	<1
Lead	ppm	ASTM D5185m >100	<b>14</b>	12	10
Copper	ppm	ASTM D5185m >200	<b>6</b>	5	5
Tin	ppm	ASTM D5185m >25	<b>&lt;1</b>	<1	<1
Antimony	ppm	ASTM D5185m >5	<b>---</b>	---	0
Vanadium	ppm	ASTM D5185m	<b>&lt;1</b>	0	0
Cadmium	ppm	ASTM D5185m	<b>0</b>	<1	<1

### ADDITIVES

method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m 110	<b>106</b>	111	97
Barium	ppm	ASTM D5185m 0.0	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m 0.0	<b>4</b>	4	4
Manganese	ppm	ASTM D5185m 1	<b>0</b>	<1	<1
Magnesium	ppm	ASTM D5185m 13	<b>40</b>	36	35
Calcium	ppm	ASTM D5185m 3610	<b>3104</b>	2930	3018
Phosphorus	ppm	ASTM D5185m 1192	<b>1036</b>	1023	1037
Zinc	ppm	ASTM D5185m 1455	<b>1297</b>	1244	1205
Sulfur	ppm	ASTM D5185m 2641	<b>3772</b>	3141	2863

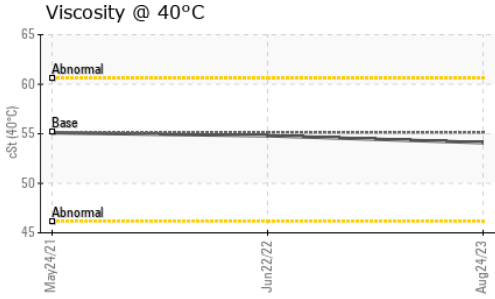
### CONTAMINANTS

method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m >50	<b>6</b>	7	6
Sodium	ppm	ASTM D5185m	<b>4</b>	0	5
Potassium	ppm	ASTM D5185m >20	<b>0</b>	2	0

### VISUAL

method	limit/base	current	history1	history2	
White Metal	scalar	*Visual NONE	<b>NONE</b>	NONE	LIGHT
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>	NONE	NONE
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




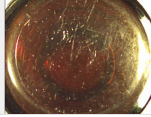
# OIL ANALYSIS REPORT



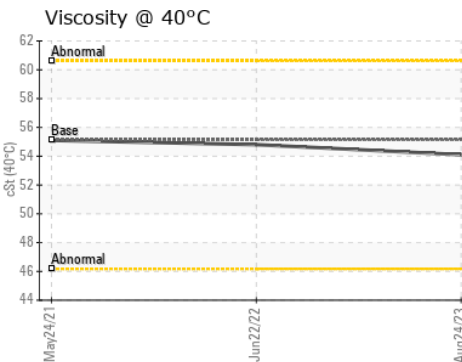
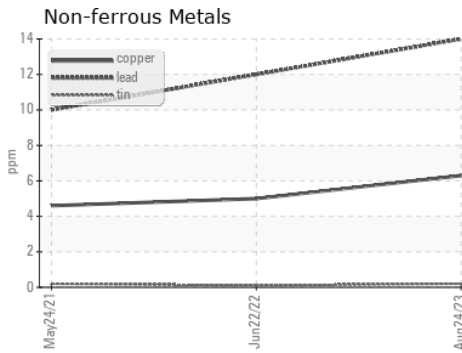
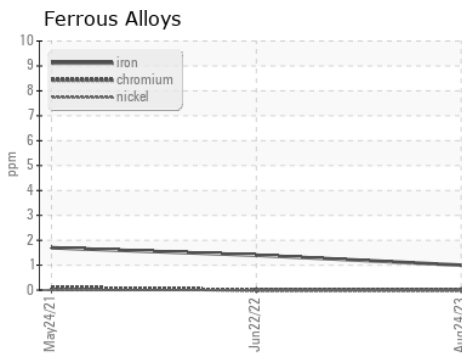
### FLUID PROPERTIES

method	limit/base	current	history1	history2	
Visc @ 40°C	cSt ASTM D445	55.14	<b>54.1</b>	54.8	55.1

### SAMPLE IMAGES

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

### GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0104043 **Received** : 25 Aug 2023  
**Lab Number** : 05935091 **Diagnosed** : 28 Aug 2023  
**Unique Number** : 10620362 **Diagnostician** : Don Baldrige  
**Test Package** : IND 1

**TREND TECHNOLOGIES**  
 737 FARGO AVE  
 ELK GROVE VILLAGE, IL  
 US 60007  
 Contact: ROB GABL  
 rgabl@trendtechnologies.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)

T:  
F: