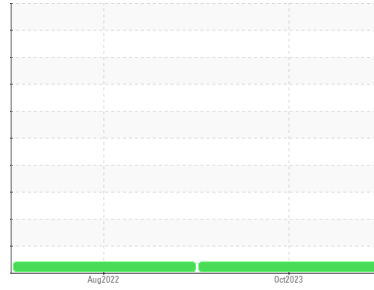


# PROBLEM SUMMARY

Sample Rating Trend



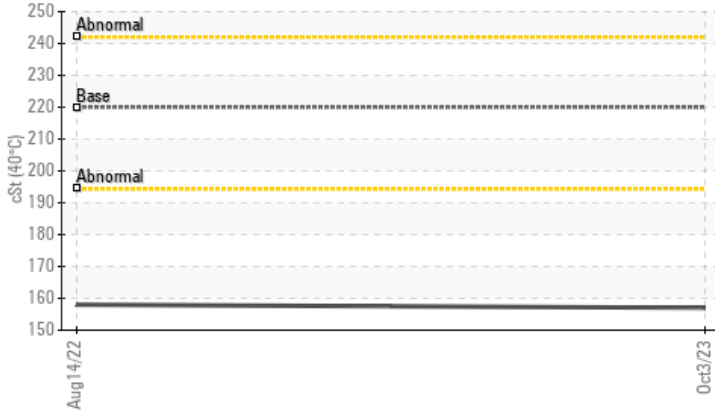
**VISCOSITY**



Machine Id  
**07D**  
Component  
**Gear Extruder**  
Fluid  
**PETRO CANADA ENDURATEX EP 220 (--- GAL)**

## COMPONENT CONDITION SUMMARY

### ▲ Viscosity @ 40°C



## RECOMMENDATION

Resample at the next service interval to monitor.  
NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.

## PROBLEMATIC TEST RESULTS

Sample Status				<b>ABNORMAL</b>	ABNORMAL	---
Visc @ 40°C	cSt	ASTM D7279(m)	220	▲ 157	▲ 158	---

Customer Id: SHAREX  
Sample No.: AW0004021  
Lab Number: 02587321  
Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:  
Kevin Marson +1 (289)291-4644 x4644  
[Kevin.Marson@wearcheck.com](mailto:Kevin.Marson@wearcheck.com)

To change component or sample information:  
Gloria Gonzalez +1 (289)291-4643 x4643  
[gloria.gonzalez@wearcheck.com](mailto:gloria.gonzalez@wearcheck.com)

## RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Information Required	---	---	?	NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.

## HISTORICAL DIAGNOSIS

14 Aug 2022 Diag: Kevin Marson

### VISCOSITY



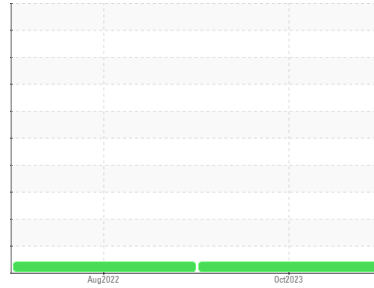
Resample at the next service interval to monitor. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample. All component wear rates are normal. There is no indication of any contamination in the oil. Viscosity of sample indicates oil is within ISO 150 range, advise investigate. The condition of the oil is acceptable for the time in service.

view report



# OIL ANALYSIS REPORT

Sample Rating Trend



**VISCOSITY**



Machine Id

**07D**

Component

**Gear Extruder**

Fluid

**PETRO CANADA ENDURATEX EP 220 (--- GAL)**

**DIAGNOSIS**

**Recommendation**

Resample at the next service interval to monitor. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.

**Wear**

All component wear rates are normal.

**Contamination**

There is no indication of any contamination in the oil.

**Fluid Condition**

Viscosity of sample indicates oil is within ISO 150 range, advise investigate. 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>AW0004021</b>	AW0003993	---
Sample Date	Client Info		<b>03 Oct 2023</b>	14 Aug 2022	---
Machine Age	mths	Client Info	<b>0</b>	0	---
Oil Age	mths	Client Info	<b>0</b>	9	---
Oil Changed	Client Info		<b>N/A</b>	N/A	---
Sample Status			<b>ABNORMAL</b>	ABNORMAL	---

**WEAR METALS**

	method	limit/base	current	history1	history2
PQ	ASTM D8184*		<b>0</b>	---	---
Iron	ppm	ASTM D5185(m) >150	<b>4</b>	4	---
Chromium	ppm	ASTM D5185(m) >10	<b>0</b>	0	---
Nickel	ppm	ASTM D5185(m) >10	<b>0</b>	0	---
Titanium	ppm	ASTM D5185(m)	<b>0</b>	0	---
Silver	ppm	ASTM D5185(m)	<b>&lt;1</b>	0	---
Aluminum	ppm	ASTM D5185(m) >25	<b>0</b>	0	---
Lead	ppm	ASTM D5185(m) >100	<b>0</b>	0	---
Copper	ppm	ASTM D5185(m) >50	<b>&lt;1</b>	0	---
Tin	ppm	ASTM D5185(m) >10	<b>0</b>	0	---
Antimony	ppm	ASTM D5185(m) >5	<b>0</b>	0	---
Vanadium	ppm	ASTM D5185(m)	<b>0</b>	0	---
Beryllium	ppm	ASTM D5185(m)	<b>0</b>	0	---
Cadmium	ppm	ASTM D5185(m)	<b>0</b>	0	---

**ADDITIVES**

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m) 60	<b>45</b>	51	---
Barium	ppm	ASTM D5185(m) 0	<b>&lt;1</b>	0	---
Molybdenum	ppm	ASTM D5185(m) 0	<b>0</b>	0	---
Manganese	ppm	ASTM D5185(m) 0	<b>0</b>	0	---
Magnesium	ppm	ASTM D5185(m) 0	<b>&lt;1</b>	<1	---
Calcium	ppm	ASTM D5185(m) 0	<b>20</b>	20	---
Phosphorus	ppm	ASTM D5185(m) 270	<b>256</b>	265	---
Zinc	ppm	ASTM D5185(m) 0	<b>17</b>	16	---
Sulfur	ppm	ASTM D5185(m) 11200	<b>4865</b>	4972	---
Lithium	ppm	ASTM D5185(m)	<b>2</b>	2	---

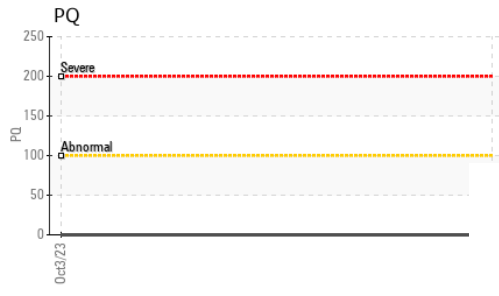
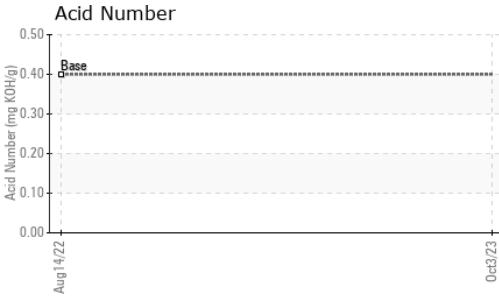
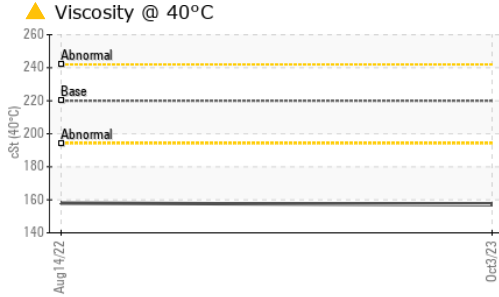
**CONTAMINANTS**

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >50	<b>2</b>	3	---
Sodium	ppm	ASTM D5185(m)	<b>2</b>	1	---
Potassium	ppm	ASTM D5185(m) >20	<b>0</b>	<1	---

**FLUID DEGRADATION**

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974* 0.40	<b>0.40</b>	---	---

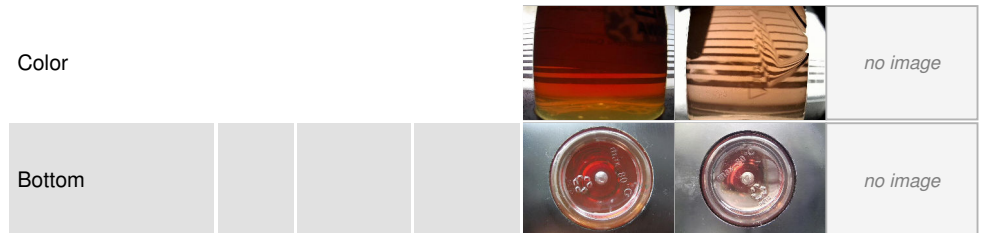
# OIL ANALYSIS REPORT



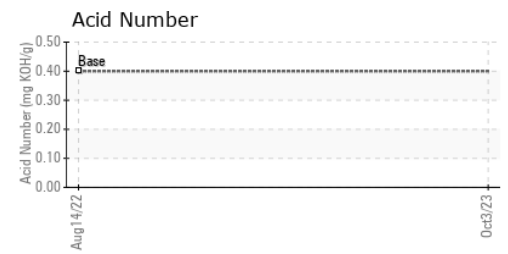
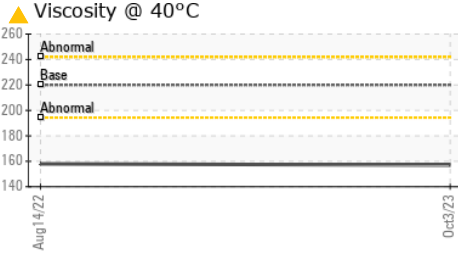
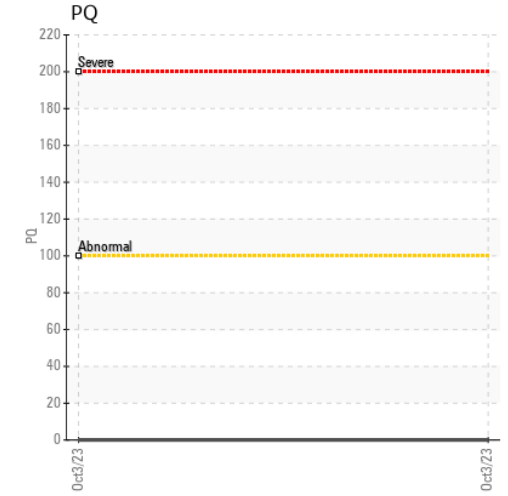
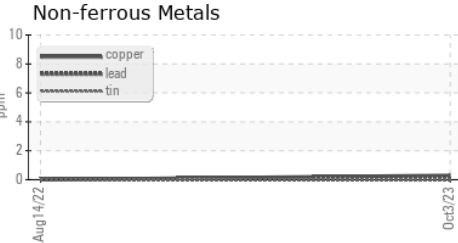
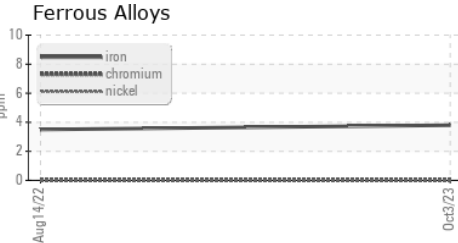
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	---
Yellow Metal	scalar	Visual*	NONE	NONE	---
Precipitate	scalar	Visual*	NONE	NONE	---
Silt	scalar	Visual*	NONE	NONE	---
Debris	scalar	Visual*	NONE	NONE	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---
Appearance	scalar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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	220 ▲ 157	▲ 158	---

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



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : AW0004021 **Received** : 05 Oct 2023  
**Lab Number** : 02587321 **Diagnosed** : 06 Oct 2023  
**Unique Number** : 5656387 **Diagnostician** : Kevin Marson  
**Test Package** : IND 2 ( Additional Tests: TAN Man )

To discuss this sample report, contact Customer Service at 1-800-268-2131.  
 Test denoted (\*) outside scope of accreditation, (m) method modified, (e) tested at external lab.  
 Validity of results and interpretation are based on the sample and information as supplied.

**SHAWFLEX INC.**  
 25 BETHRIDGE ROAD  
 TORONTO, ON  
 CA M9W 1M7  
 Contact: Robert Fuller  
 rfuller@shawflex.shawcor.com  
 T: (416)743-7111  
 F: (416)743-5060