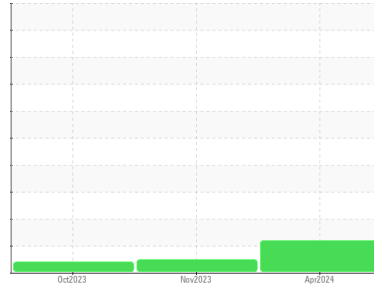


# OIL ANALYSIS REPORT

Sample Rating Trend



**DEGRADATION**



Area

**Recycling Line**

Machine ID

**Vecoplan Main Drive**

Component

**Gearbox**

Fluid

**PETRO CANADA ENDURATEX SYNTHETIC EP 320 (4 GAL)**

## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor.

### Wear

All component wear rates are normal.

### Contamination

There is no indication of any contamination in the oil.

### Fluid Condition

The AN level is above the recommended limit.

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>PCA0107754</b>	PCA0107748	PCA0106227
Sample Date	Client Info		<b>08 Apr 2024</b>	09 Nov 2023	26 Oct 2023
Machine Age	yrs	Client Info	<b>0</b>	0	0
Oil Age	yrs	Client Info	<b>0</b>	0	0
Oil Changed	Client Info		<b>Not Changed</b>	Diff Oil	Not Changed
Sample Status			<b>ABNORMAL</b>	NORMAL	ATTENTION

## CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>0.2	<b>NEG</b>	NEG	NEG

## WEAR METALS

	method	limit/base	current	history1	history2
PQ	ASTM D8184		<b>11</b>	14	16
Iron	ppm	ASTM D5185m >200	<b>22</b>	0	1
Chromium	ppm	ASTM D5185m >15	<b>&lt;1</b>	0	0
Nickel	ppm	ASTM D5185m >15	<b>&lt;1</b>	0	0
Titanium	ppm	ASTM D5185m	<b>&lt;1</b>	0	<1
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>&lt;1</b>	<1	0
Copper	ppm	ASTM D5185m >200	<b>&lt;1</b>	0	0
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>&lt;1</b>	0	0

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 33	<b>32</b>	31	2
Barium	ppm	ASTM D5185m 5	<b>20</b>	0	0
Molybdenum	ppm	ASTM D5185m	<b>1</b>	0	0
Manganese	ppm	ASTM D5185m	<b>1</b>	0	0
Magnesium	ppm	ASTM D5185m 5	<b>2</b>	0	0
Calcium	ppm	ASTM D5185m 5	<b>14</b>	<1	0
Phosphorus	ppm	ASTM D5185m 437	<b>353</b>	451	379
Zinc	ppm	ASTM D5185m 5	<b>59</b>	0	0
Sulfur	ppm	ASTM D5185m 5000	<b>6128</b>	5779	91

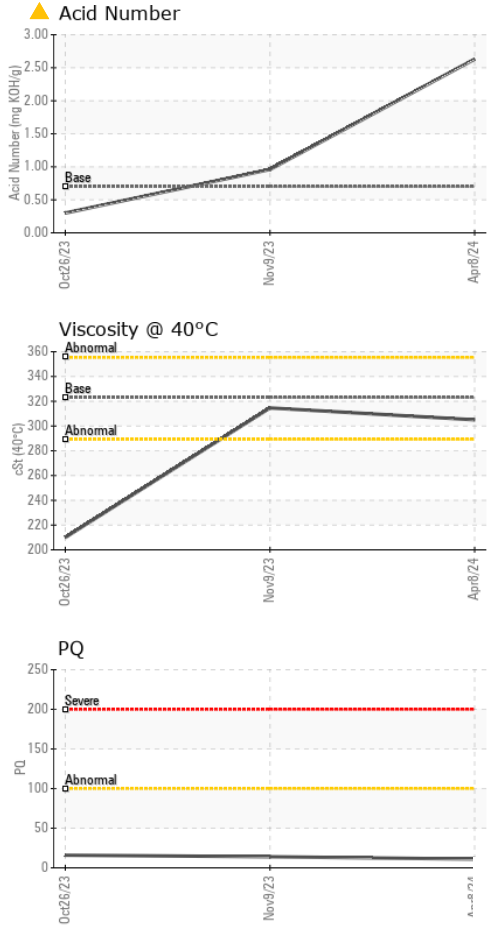
## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >50	<b>5</b>	<1	24
Sodium	ppm	ASTM D5185m	<b>4</b>	0	<1
Potassium	ppm	ASTM D5185m >20	<b>1</b>	<1	0

## FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045 0.7	<b>▲ 2.63</b>	0.96	0.30

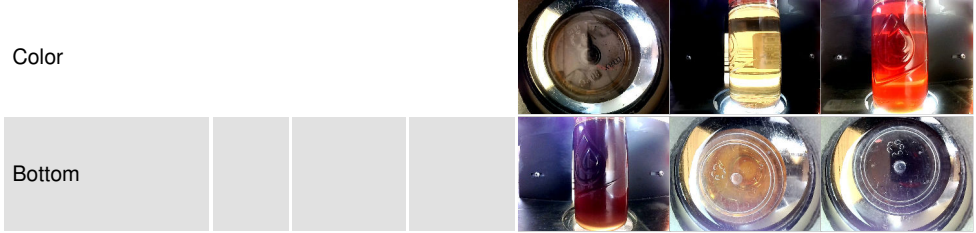
# OIL ANALYSIS REPORT



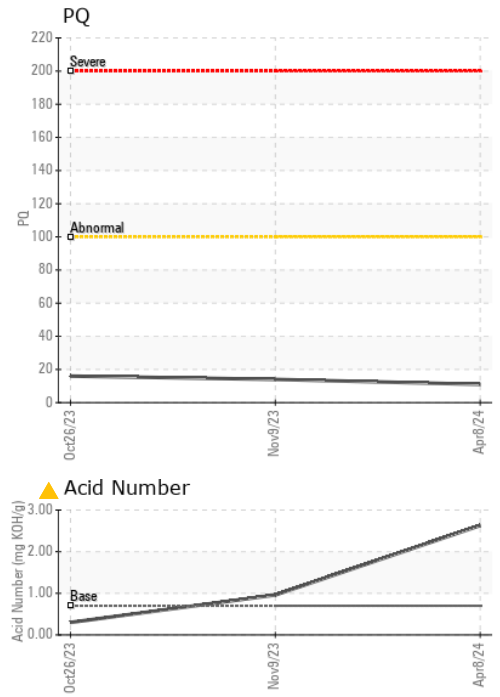
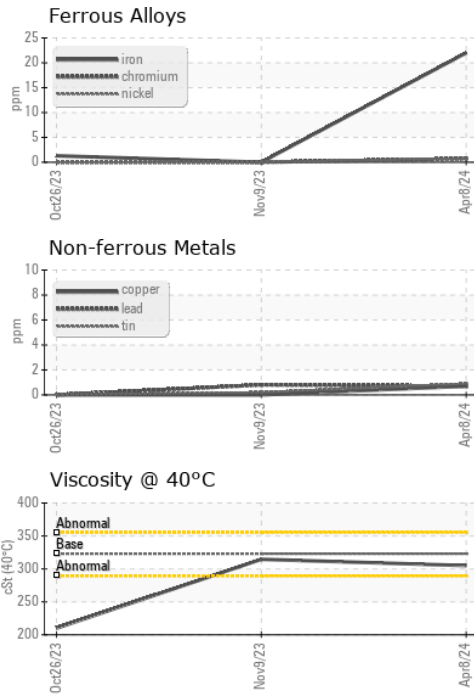
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	323	305	314.6

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



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0107754  
**Lab Number** : 06144463  
**Unique Number** : 10969271  
**Test Package** : PLANT

**Received** : 10 Apr 2024  
**Tested** : 11 Apr 2024  
**Diagnosed** : 12 Apr 2024 - Angela Borella

**IKO HAGERSTOWN**  
 160 IKO WAY  
 HAGERSTOWN, MD  
 US 21740  
 Contact: LUIS FERNANDEZ  
 luis.fernandez@iko.com  
 T: (240)267-4100  
 F:

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)