



# OIL ANALYSIS REPORT

WEAR	<b>NORMAL</b>
CONTAMINATION	<b>NORMAL</b>
FLUID CONDITION	<b>NORMAL</b>

Area

[6215659]

Machine Id

5001-PR32-GRAN20 FIXED ROLLER

Component

Gearbox

Fluid

PETRO CANADA ENDURATEX EP 220 (--- GAL)

## 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.

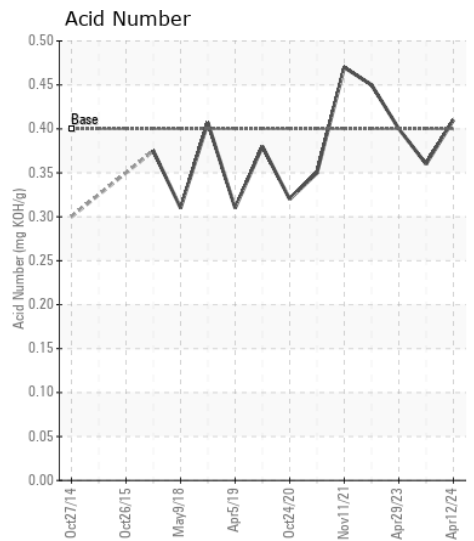
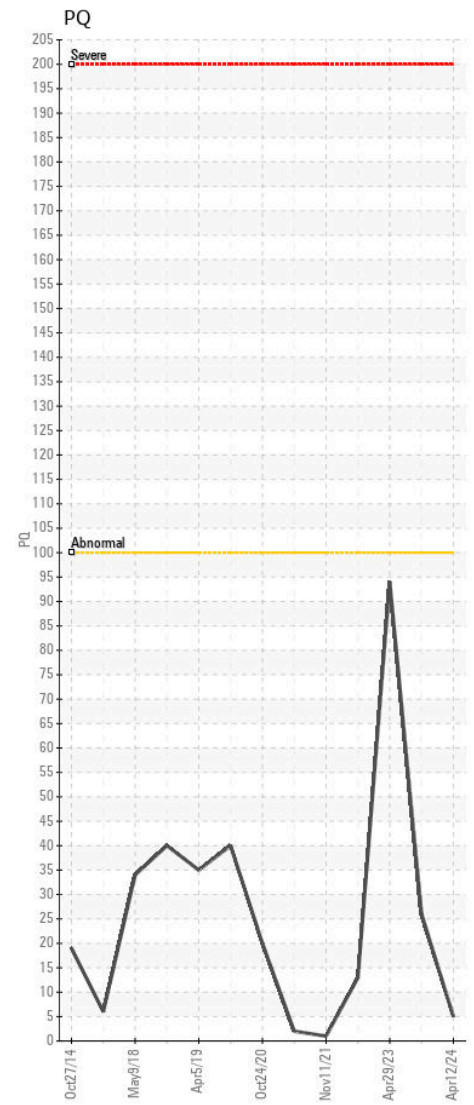
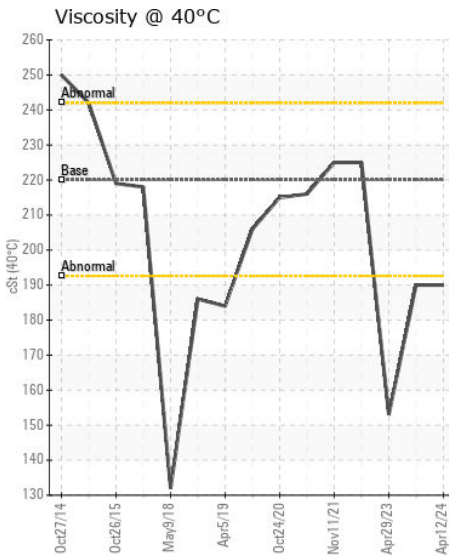
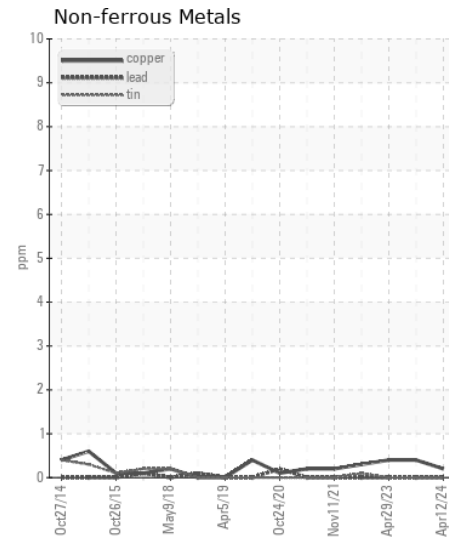
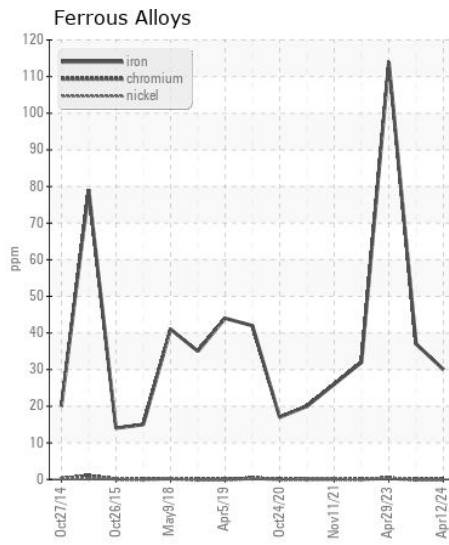
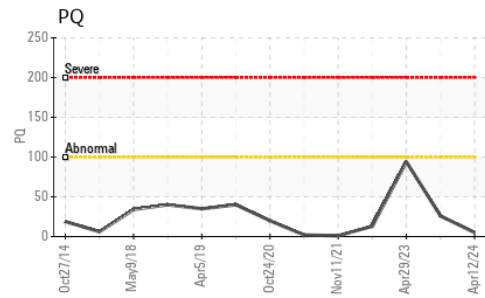
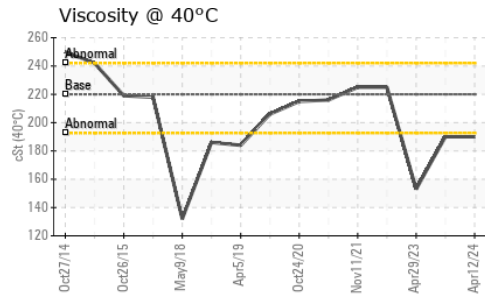
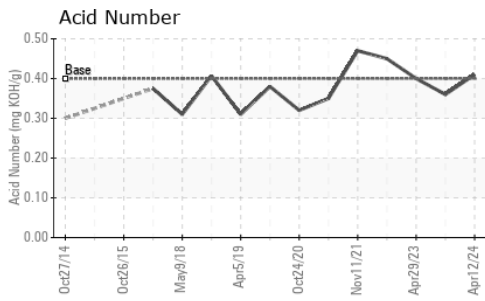
## CONTAMINATION

There is no indication of any contamination in the oil.

## FLUID CONDITION

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>CB0031824</b>	CB0031361	CB0031270
Sample Date		Client Info		<b>12 Apr 2024</b>	28 Oct 2023	29 Apr 2023
Machine Age	hrs	Client Info		<b>0</b>	0	0
Oil Age	hrs	Client Info		<b>0</b>	0	0
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>N/A</b>	N/A	N/A
Filter Changed		Client Info		<b>N/A</b>	N/A	N/A
Sample Status				<b>NORMAL</b>	NORMAL	ABNORMAL
PQ		ASTM D8184*		<b>5</b>	26	94
Iron	ppm	ASTM D5185(m)	>200	<b>30</b>	37	114
Chromium	ppm	ASTM D5185(m)	>15	<b>0</b>	0	<1
Nickel	ppm	ASTM D5185(m)	>15	<b>0</b>	0	<1
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	<1
Silver	ppm	ASTM D5185(m)		<b>0</b>	<1	0
Aluminum	ppm	ASTM D5185(m)	>25	<b>0</b>	<1	<1
Lead	ppm	ASTM D5185(m)	>100	<b>0</b>	0	0
Copper	ppm	ASTM D5185(m)	>200	<b>&lt;1</b>	<1	<1
Tin	ppm	ASTM D5185(m)	>25	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0
White Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Silicon	ppm	ASTM D5185(m)	>50	<b>0</b>	2	4
Potassium	ppm	ASTM D5185(m)	>20	<b>4</b>	3	6
Water		WC Method	>0.2	<b>NEG</b>	NEG	NEG
Silt	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	Visual*	NONE	<b>VLITE</b>	VLITE	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
Sodium	ppm	ASTM D5185(m)		<b>&lt;1</b>	1	2
Boron	ppm	ASTM D5185(m)	60	<b>28</b>	34	15
Barium	ppm	ASTM D5185(m)	0	<b>3</b>	4	9
Molybdenum	ppm	ASTM D5185(m)	0	<b>0</b>	0	0
Manganese	ppm	ASTM D5185(m)	0	<b>&lt;1</b>	0	1
Magnesium	ppm	ASTM D5185(m)	0	<b>&lt;1</b>	<1	<1
Calcium	ppm	ASTM D5185(m)	0	<b>3</b>	4	7
Phosphorus	ppm	ASTM D5185(m)	270	<b>215</b>	220	208
Zinc	ppm	ASTM D5185(m)	0	<b>8</b>	8	12
Sulfur	ppm	ASTM D5185(m)	11200	<b>8801</b>	9040	5688
Acid Number (AN)	mg KOH/g	ASTM D974*	0.40	<b>0.41</b>	0.36	0.40
Visc @ 40°C	cSt	ASTM D7279(m)	220	<b>190</b>	190	153



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : CB0031824  
**Lab Number** : 02637016  
**Unique Number** : 5786178  
**Test Package** : IND 2 ( Additional Tests: TAN Man )  
**Received** : 22 May 2024  
**Tested** : 22 May 2024  
**Diagnosed** : 23 May 2024 - Kevin Marson

**Synovos/Apotex**  
 50 Steinway Blvd.  
 Etobicoke, ON  
 CA M9W 6Y3  
 Contact: Emmanuel Okelue  
 eokelue@apotex.com

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.