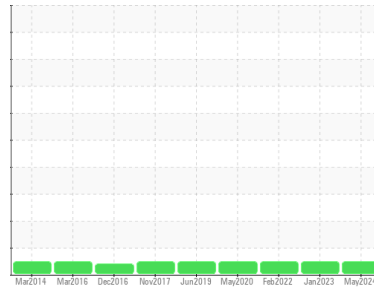


# OIL ANALYSIS REPORT

## Sample Rating Trend



**NORMAL**



Area  
**LINE 3 [910101430]**  
 Machine Id  
**[LINE 3] L3 SAPAL 5 L3 SAPAL 5**  
 Component  
**Main Gearbox**  
 Fluid  
**PETRO CANADA PURITY FG EP GEAR OIL 220 (35 LTR)**

## 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 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>PCA0128262</b>	PCA0052767	PCA0067193
Sample Date	Client Info	<b>28 May 2024</b>	11 Jan 2023	09 Feb 2022
Machine Age	hrs Client Info	<b>0</b>	0	0
Oil Age	hrs Client Info	<b>0</b>	0	0
Oil Changed	Client Info	<b>N/A</b>	N/A	N/A
Sample Status		<b>NORMAL</b>	NORMAL	NORMAL

## 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>28</b>	40	13
Iron	ppm ASTM D5185m >200	<b>23</b>	39	10
Chromium	ppm ASTM D5185m >15	<b>&lt;1</b>	<1	1
Nickel	ppm ASTM D5185m >15	<b>0</b>	<1	1
Titanium	ppm ASTM D5185m	<b>0</b>	<1	0
Silver	ppm ASTM D5185m	<b>0</b>	0	0
Aluminum	ppm ASTM D5185m >25	<b>&lt;1</b>	2	2
Lead	ppm ASTM D5185m >100	<b>0</b>	<1	1
Copper	ppm ASTM D5185m >200	<b>4</b>	12	4
Tin	ppm ASTM D5185m >25	<b>0</b>	0	0
Antimony	ppm ASTM D5185m >5	<b>---</b>	---	<1
Vanadium	ppm ASTM D5185m	<b>0</b>	0	0
Cadmium	ppm ASTM D5185m	<b>0</b>	0	0

## ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m	<b>0</b>	0	0
Barium	ppm ASTM D5185m	<b>0</b>	0	0
Molybdenum	ppm ASTM D5185m	<b>0</b>	<1	<1
Manganese	ppm ASTM D5185m	<b>&lt;1</b>	<1	<1
Magnesium	ppm ASTM D5185m	<b>0</b>	2	<1
Calcium	ppm ASTM D5185m	<b>0</b>	9	0
Phosphorus	ppm ASTM D5185m	<b>410</b>	468	567
Zinc	ppm ASTM D5185m	<b>0</b>	11	5
Sulfur	ppm ASTM D5185m	<b>635</b>	870	525

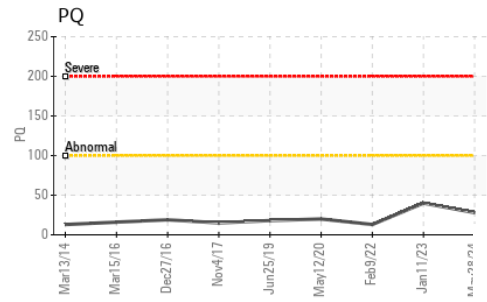
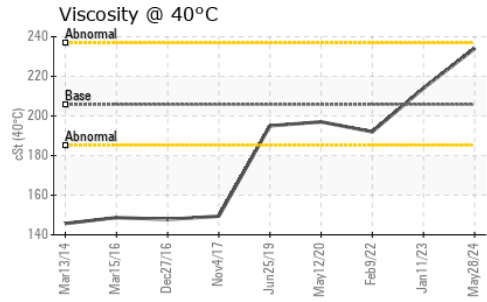
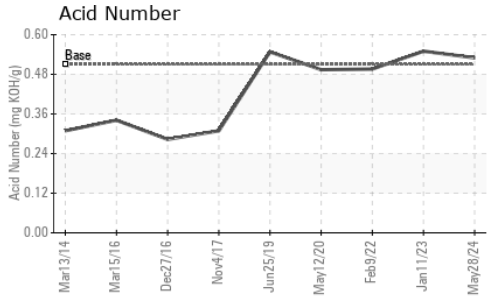
## CONTAMINANTS

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

## FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g ASTM D8045 0.51	<b>0.53</b>	0.55	0.496

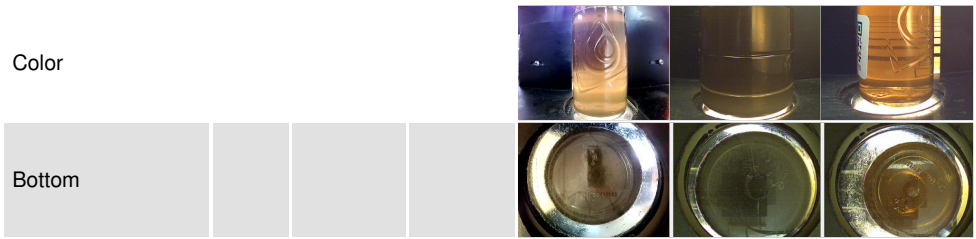
# OIL ANALYSIS REPORT



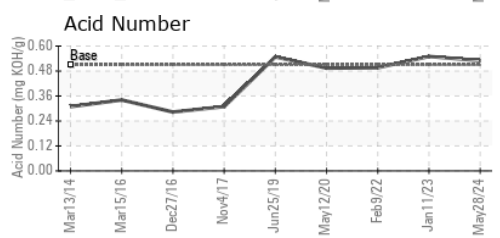
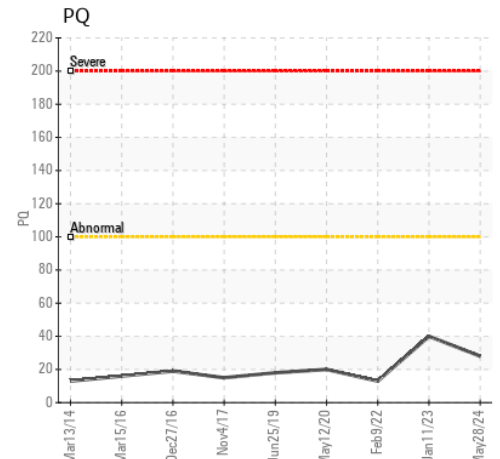
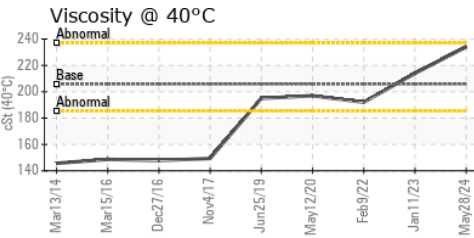
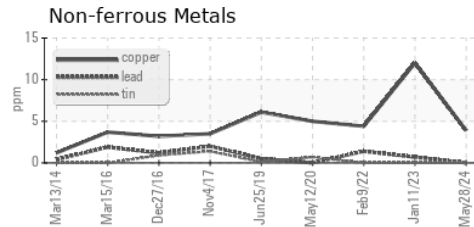
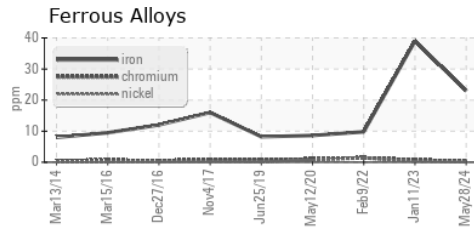
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	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	205.8	234	214

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



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0128262      **Received** : 03 Jun 2024  
**Lab Number** : 06197865      **Tested** : 04 Jun 2024  
**Unique Number** : 11059988      **Diagnosed** : 04 Jun 2024 - Wes Davis  
**Test Package** : IND 2 ( Additional Tests: PQ )

**THE HERSHEY COMPANY**  
 WEST HERSHEY - TECHNICAL ASSURANCE, 1033 OLDE WEST CHOCOLATE  
 HERSHEY, PA  
 US 17033  
 Contact: BILL GEZIK  
 bgezik@hersheys.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)