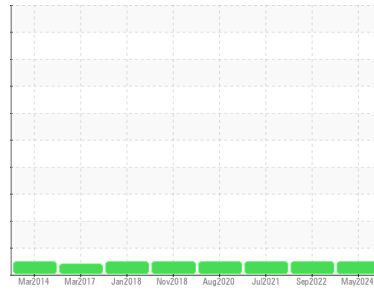


# OIL ANALYSIS REPORT

## Sample Rating Trend



**NORMAL**



Area

**LINE 3**

Machine Id

**[LINE 3] L3 SAPAL 10 L3 SAPAL 10**

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>PCA0128260</b>	PCA0078628	PCA0052761
Sample Date	Client Info	<b>28 May 2024</b>	11 Sep 2022	05 Jul 2021
Machine Age	hrs	Client Info	<b>0</b>	0
Oil Age	hrs	Client Info	<b>0</b>	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>14</b>	12	22
Iron	ppm	ASTM D5185m >200	<b>11</b>	13
Chromium	ppm	ASTM D5185m >15	<b>3</b>	5
Nickel	ppm	ASTM D5185m >15	<b>0</b>	0
Titanium	ppm	ASTM D5185m	<b>0</b>	0
Silver	ppm	ASTM D5185m	<b>0</b>	0
Aluminum	ppm	ASTM D5185m >25	<b>&lt;1</b>	<1
Lead	ppm	ASTM D5185m >100	<b>0</b>	<1
Copper	ppm	ASTM D5185m >200	<b>&lt;1</b>	<1
Tin	ppm	ASTM D5185m >25	<b>0</b>	0
Antimony	ppm	ASTM D5185m >5	<b>---</b>	---
Vanadium	ppm	ASTM D5185m	<b>0</b>	0
Cadmium	ppm	ASTM D5185m	<b>0</b>	0

## ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	<b>0</b>	0
Barium	ppm	ASTM D5185m	<b>0</b>	0
Molybdenum	ppm	ASTM D5185m	<b>0</b>	0
Manganese	ppm	ASTM D5185m	<b>&lt;1</b>	<1
Magnesium	ppm	ASTM D5185m	<b>0</b>	<1
Calcium	ppm	ASTM D5185m	<b>0</b>	<1
Phosphorus	ppm	ASTM D5185m	<b>410</b>	419
Zinc	ppm	ASTM D5185m	<b>0</b>	10
Sulfur	ppm	ASTM D5185m	<b>554</b>	499

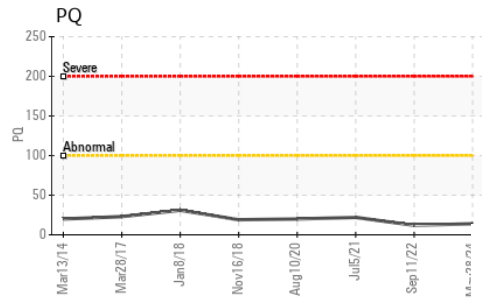
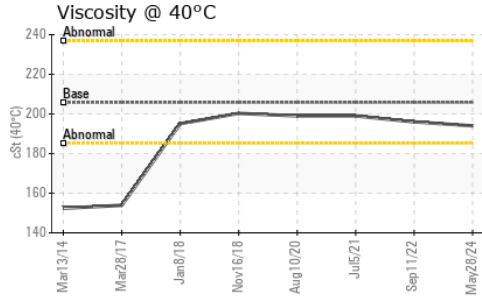
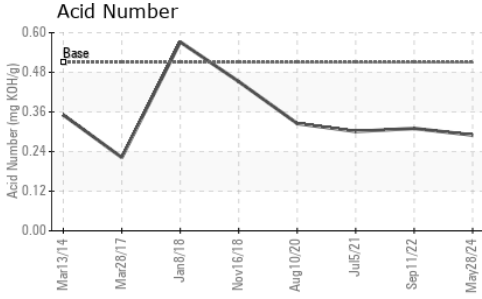
## CONTAMINANTS

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

## FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045 0.51	<b>0.29</b>	0.31

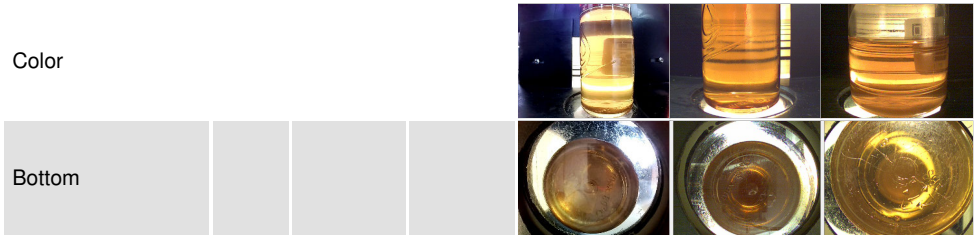
# OIL ANALYSIS REPORT



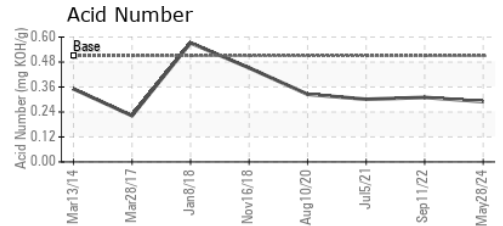
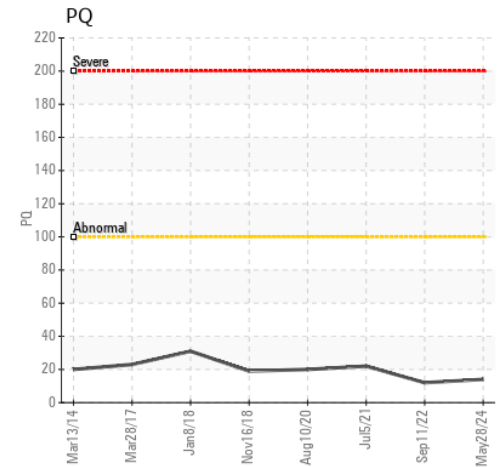
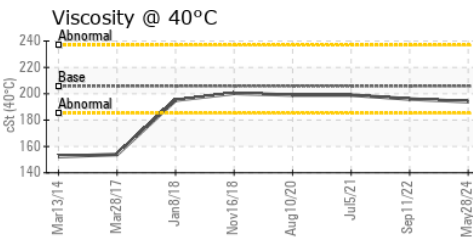
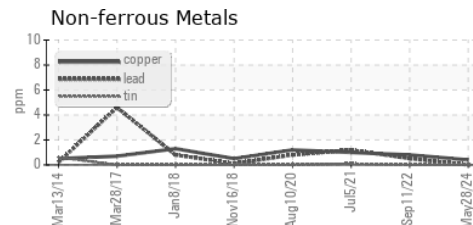
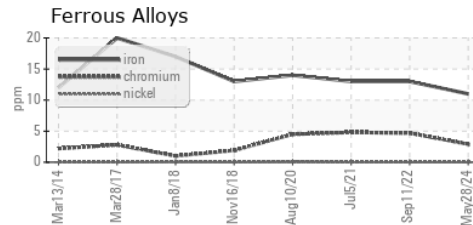
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	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	194	196

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



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0128260  
**Lab Number** : 06197857  
**Unique Number** : 11059980  
**Test Package** : IND 2 ( Additional Tests: PQ )

**Received** : 03 Jun 2024  
**Tested** : 04 Jun 2024  
**Diagnosed** : 04 Jun 2024 - Wes Davis

**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)

F: (717)374-4594