

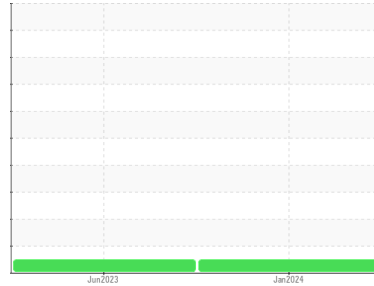
# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Area  
**KEMP QUARRIES / PRYOR STONE [68887]**  
Machine Id  
**OHT125**  
Component  
**Rear Differential**  
Fluid  
**PETRO CANADA PRODURO TO-4 SAE 50 (--- GAL)**



## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor. ( Customer Sample Comment: Pm1 performed. All oil samples taken. Engine oil, engine oil filters, fuel filters, and air filters changed. )

### Wear

All component wear rates are normal.

### Contamination

There is no indication of any contamination in the oil.

### Fluid Condition

The condition of the oil is acceptable for the time in service.

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>PCA0086263</b>	PCA0086215	---
Sample Date	Client Info		<b>27 Jan 2024</b>	22 Jun 2023	---
Machine Age	hrs	Client Info	<b>6415</b>	5984	---
Oil Age	hrs	Client Info	<b>431</b>	0	---
Oil Changed	Client Info		<b>Oil Added</b>	Changed	---
Sample Status			<b>NORMAL</b>	NORMAL	---

## CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>.2	<b>NEG</b>	NEG	---

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >500	<b>36</b>	21	---
Chromium	ppm	ASTM D5185m >3	<b>0</b>	<1	---
Nickel	ppm	ASTM D5185m >3	<b>&lt;1</b>	<1	---
Titanium	ppm	ASTM D5185m >2	<b>&lt;1</b>	0	---
Silver	ppm	ASTM D5185m >2	<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m >30	<b>2</b>	2	---
Lead	ppm	ASTM D5185m >13	<b>&lt;1</b>	<1	---
Copper	ppm	ASTM D5185m >103	<b>5</b>	3	---
Tin	ppm	ASTM D5185m >5	<b>&lt;1</b>	0	---
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 2	<b>1</b>	7	---
Barium	ppm	ASTM D5185m 0	<b>0</b>	0	---
Molybdenum	ppm	ASTM D5185m 0	<b>0</b>	1	---
Manganese	ppm	ASTM D5185m 0	<b>&lt;1</b>	<1	---
Magnesium	ppm	ASTM D5185m 9	<b>16</b>	24	---
Calcium	ppm	ASTM D5185m 3114	<b>2074</b>	3078	---
Phosphorus	ppm	ASTM D5185m 1099	<b>802</b>	1083	---
Zinc	ppm	ASTM D5185m 1245	<b>975</b>	1343	---
Sulfur	ppm	ASTM D5185m 7086	<b>3931</b>	12978	---

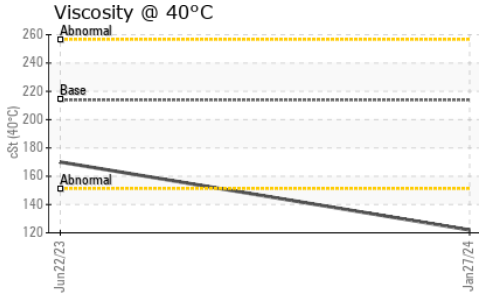
## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >100	<b>21</b>	6	---
Sodium	ppm	ASTM D5185m	<b>1</b>	1	---
Potassium	ppm	ASTM D5185m >20	<b>0</b>	2	---

## VISUAL

	method	limit/base	current	history1	history2
White Metal	scalar	*Visual NONE	<b>NONE</b>	NONE	---
Yellow Metal	scalar	*Visual NONE	<b>NONE</b>	NONE	---
Precipitate	scalar	*Visual NONE	<b>NONE</b>	NONE	---
Silt	scalar	*Visual NONE	<b>NONE</b>	NONE	---
Debris	scalar	*Visual NONE	<b>NONE</b>	NONE	---
Sand/Dirt	scalar	*Visual NONE	<b>NONE</b>	NONE	---
Appearance	scalar	*Visual NORML	<b>NORML</b>	NORML	---
Odor	scalar	*Visual NORML	<b>NORML</b>	NORML	---
Emulsified Water	scalar	*Visual >.2	<b>NEG</b>	NEG	---
Free Water	scalar	*Visual	<b>NEG</b>	NEG	---

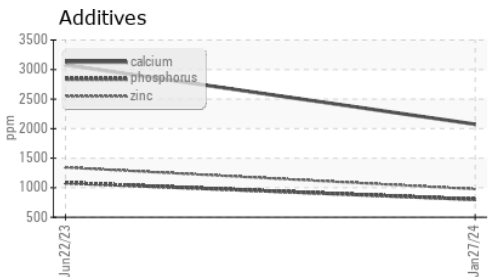
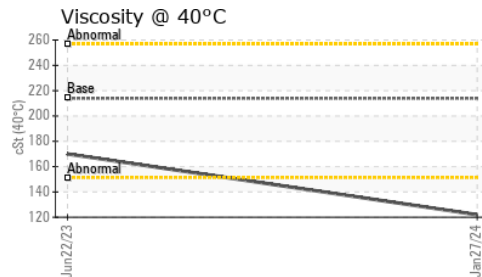
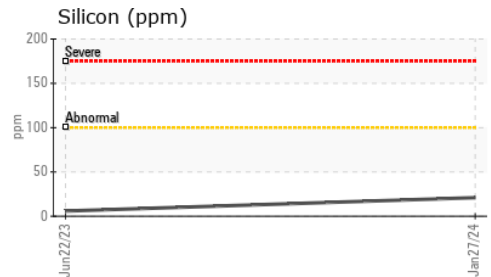
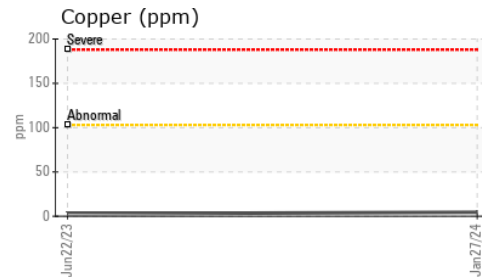
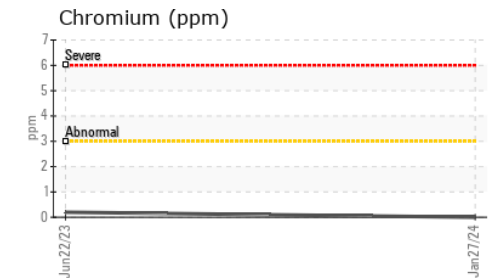
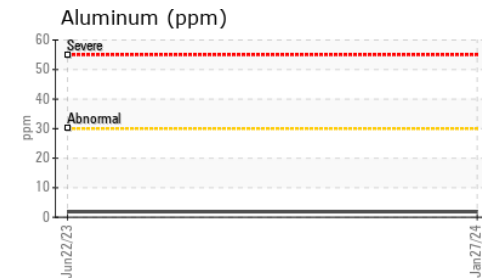
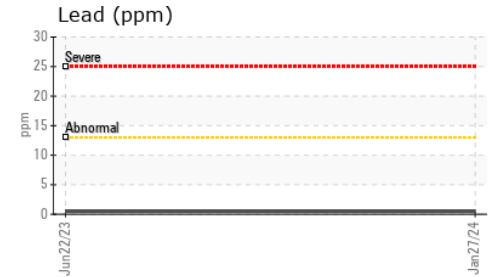
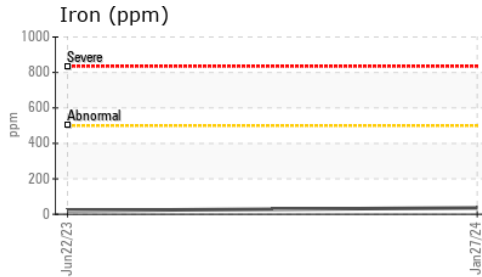
# OIL ANALYSIS REPORT



FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	213.9	<b>122</b>	170	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color				no image	no image
Bottom				no image	no image

## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0086263      **Received** : 13 Feb 2024  
**Lab Number** : 06088409      **Tested** : 14 Feb 2024  
**Unique Number** : 10875854      **Diagnosed** : 15 Feb 2024 - Sean Felton  
**Test Package** : MOB 1

**Kemp Quarries - Pryor Stone - Pryor**  
 1050 E 520 Rd  
 Pryor, OK  
 US 74361  
 Contact:  
 pryor@pryorstone.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)

T:  
F: