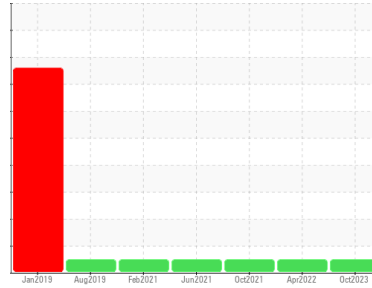


# OIL ANALYSIS REPORT

## Sample Rating Trend

**NORMAL**



Area  
**KEMP QUARRIES / PRYOR STONE [57827]**  
Machine Id  
**OHT101**  
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: PM-4 changed fluid )

### 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>PCA0084717</b>	PCA0062665	PCA0011003
Sample Date	Client Info		<b>19 Oct 2023</b>	05 Apr 2022	08 Oct 2021
Machine Age	hrs	Client Info	<b>17273</b>	16935	16717
Oil Age	hrs	Client Info	<b>17273</b>	16717	16717
Oil Changed	Client Info		<b>N/A</b>	Not Changd	Changed
Sample Status			<b>NORMAL</b>	NORMAL	NORMAL

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >500	<b>69</b>	44	169
Chromium	ppm	ASTM D5185m >3	<b>&lt;1</b>	<1	1
Nickel	ppm	ASTM D5185m >3	<b>&lt;1</b>	0	0
Titanium	ppm	ASTM D5185m >2	<b>&lt;1</b>	<1	<1
Silver	ppm	ASTM D5185m >2	<b>0</b>	0	<1
Aluminum	ppm	ASTM D5185m >30	<b>2</b>	3	1
Lead	ppm	ASTM D5185m >13	<b>0</b>	<1	0
Copper	ppm	ASTM D5185m >103	<b>29</b>	6	14
Tin	ppm	ASTM D5185m >5	<b>2</b>	<1	2
Antimony	ppm	ASTM D5185m >5	<b>---</b>	---	0
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 2	<b>45</b>	38	189
Barium	ppm	ASTM D5185m 0	<b>19</b>	0	0
Molybdenum	ppm	ASTM D5185m 0	<b>6</b>	4	18
Manganese	ppm	ASTM D5185m 0	<b>1</b>	<1	2
Magnesium	ppm	ASTM D5185m 9	<b>13</b>	13	16
Calcium	ppm	ASTM D5185m 3114	<b>2941</b>	2828	346
Phosphorus	ppm	ASTM D5185m 1099	<b>1086</b>	1027	1066
Zinc	ppm	ASTM D5185m 1245	<b>1075</b>	1055	167
Sulfur	ppm	ASTM D5185m 7086	<b>10573</b>	6966	23065

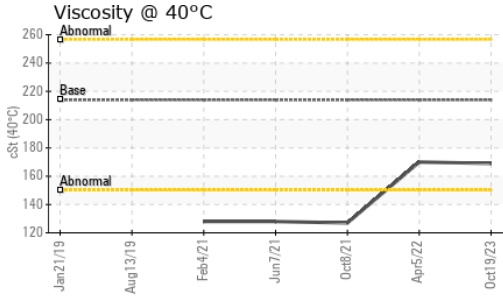
## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >100	<b>35</b>	18	8
Sodium	ppm	ASTM D5185m	<b>4</b>	1	1
Potassium	ppm	ASTM D5185m >20	<b>1</b>	2	0

## VISUAL

	method	limit/base	current	history1	history2
White Metal	scalar	*Visual NONE	<b>NONE</b>	LIGHT	MODER
Yellow Metal	scalar	*Visual NONE	<b>NONE</b>	NONE	NONE
Precipitate	scalar	*Visual NONE	<b>NONE</b>	NONE	NONE
Silt	scalar	*Visual NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual NONE	<b>NONE</b>	NONE	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 >.2	<b>NEG</b>	NEG	NEG
Free Water	scalar	*Visual	<b>NEG</b>	NEG	NEG

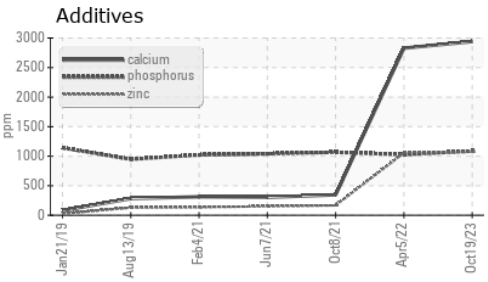
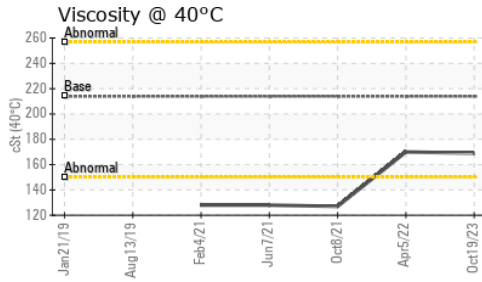
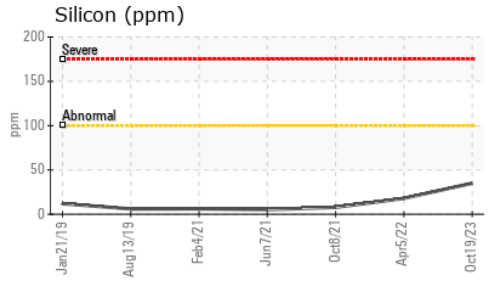
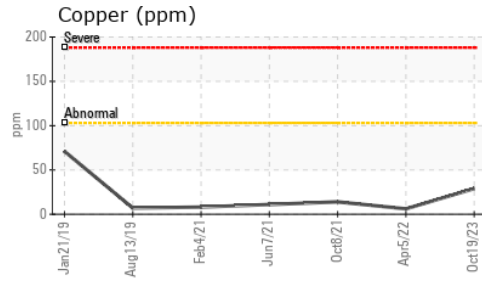
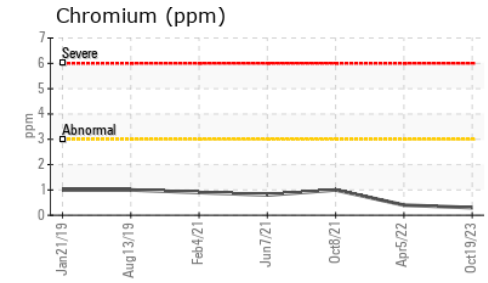
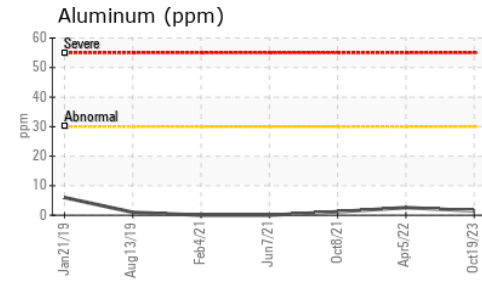
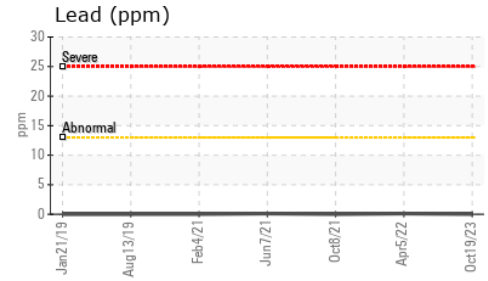
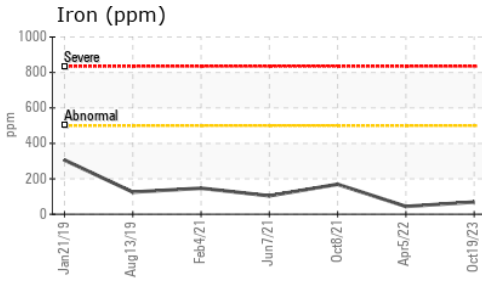
# OIL ANALYSIS REPORT



FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	213.9	<b>169</b>	170	127

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

## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0084717 **Received** : 30 Oct 2023  
**Lab Number** : 05993842 **Diagnosed** : 01 Nov 2023  
**Unique Number** : 10722202 **Diagnostician** : Sean Felton  
**Test Package** : MOB 1

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