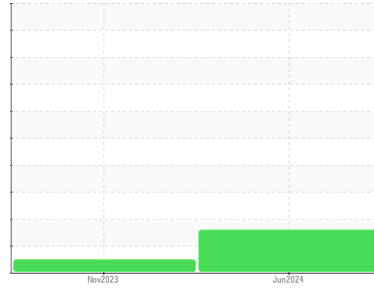


# OIL ANALYSIS REPORT

## Sample Rating Trend



**WATER**



Area  
**KEMP QUARRIES / SELIGMAN [68983]**  
 Machine Id  
**WL114**  
 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-2 sampled fluid )

#### Wear

All component wear rates are normal.

#### Contamination

There is a light concentration of water present 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>PCA0126286</b>	PCA0070600	---
Sample Date	Client Info	<b>11 Jun 2024</b>	20 Nov 2023	---
Machine Age	hrs	<b>1491</b>	953	---
Oil Age	hrs	<b>1491</b>	0	---
Oil Changed	Client Info	<b>N/A</b>	N/A	---
Sample Status		<b>MARGINAL</b>	NORMAL	---

### WEAR METALS

method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185m >500	<b>112</b>	46	---
Chromium	ppm	ASTM D5185m >10	<b>&lt;1</b>	<1	---
Nickel	ppm	ASTM D5185m >10	<b>0</b>	0	---
Titanium	ppm	ASTM D5185m	<b>&lt;1</b>	0	---
Silver	ppm	ASTM D5185m	<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m >25	<b>1</b>	<1	---
Lead	ppm	ASTM D5185m >25	<b>1</b>	<1	---
Copper	ppm	ASTM D5185m >100	<b>31</b>	13	---
Tin	ppm	ASTM D5185m >10	<b>1</b>	<1	---
Vanadium	ppm	ASTM D5185m	<b>0</b>	<1	---
Cadmium	ppm	ASTM D5185m	<b>&lt;1</b>	0	---

### ADDITIVES

method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m 2	<b>10</b>	8	---
Barium	ppm	ASTM D5185m 0	<b>0</b>	0	---
Molybdenum	ppm	ASTM D5185m 0	<b>0</b>	<1	---
Manganese	ppm	ASTM D5185m 0	<b>2</b>	<1	---
Magnesium	ppm	ASTM D5185m 9	<b>17</b>	13	---
Calcium	ppm	ASTM D5185m 3114	<b>2879</b>	2535	---
Phosphorus	ppm	ASTM D5185m 1099	<b>1141</b>	1022	---
Zinc	ppm	ASTM D5185m 1245	<b>1245</b>	1108	---
Sulfur	ppm	ASTM D5185m 7086	<b>7241</b>	5433	---

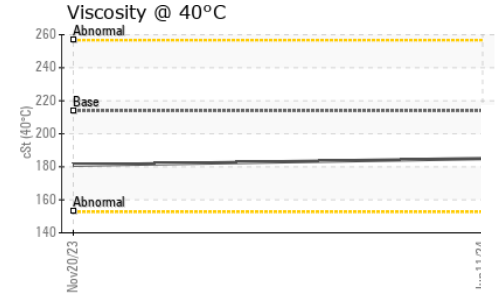
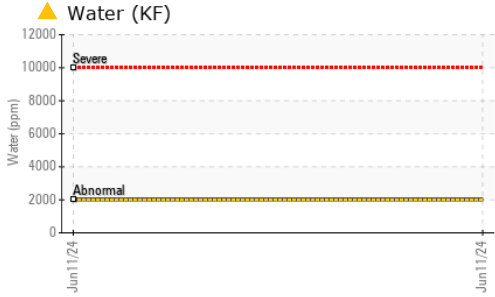
### CONTAMINANTS

method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m >75	<b>12</b>	7	---
Sodium	ppm	ASTM D5185m	<b>5</b>	3	---
Potassium	ppm	ASTM D5185m >20	<b>4</b>	0	---
Water	%	ASTM D6304 >.2	<b>▲ 0.200</b>	---	---
ppm Water	ppm	ASTM D6304 >2000	<b>▲ 2000</b>	---	---

### 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>0.2%</b>	NEG	---
Free Water	scalar	*Visual	<b>NEG</b>	NEG	---

# OIL ANALYSIS REPORT



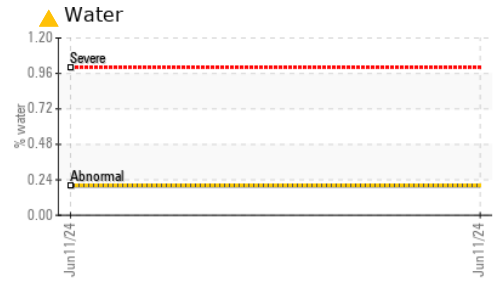
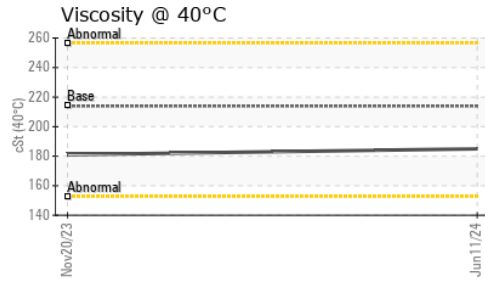
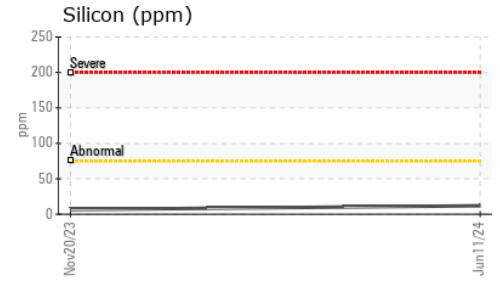
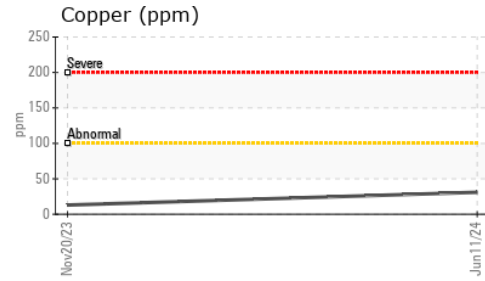
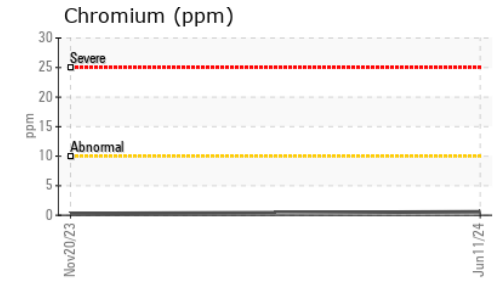
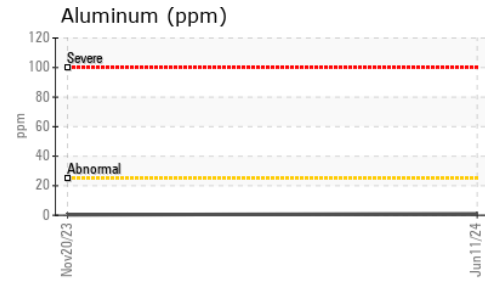
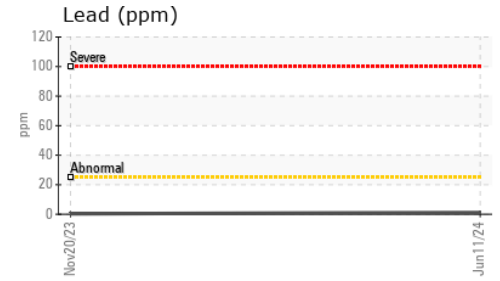
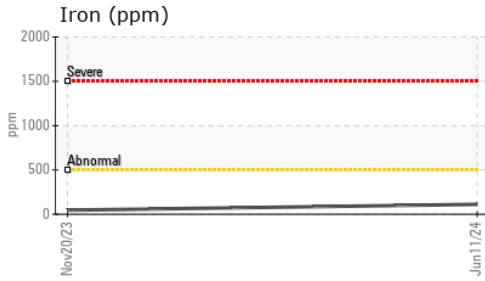
### FLUID PROPERTIES

method	limit/base	current	history1	history2
Visc @ 40°C	cSt ASTM D445	213.9	185	181

### 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.** : PCA0126286      **Received** : 20 Jun 2024  
**Lab Number** : 06216391      **Tested** : 21 Jun 2024  
**Unique Number** : 11089255      **Diagnosed** : 23 Jun 2024 - Don Baldrige  
**Test Package** : MOB 1 ( Additional Tests: KF )

**Kemp Quarries - BCS - Seligman**  
 8261 Farm rd 2295  
 Seligman, MO  
 US 65745

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)

Contact: TECHNICIAN ACCOUNT  
catherine.anastasio@wearcheck.com

T:  
F: