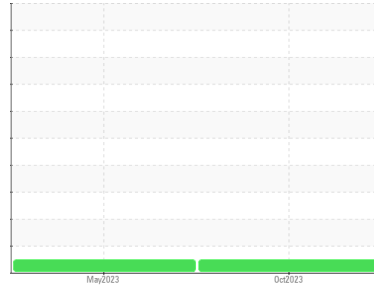


# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Area  
**KEMP QUARRIES / RVM - ARKOMA**  
 Machine Id  
**WL150**  
 Component  
**Transmission (Manual)**  
 Fluid  
**PETRO CANADA PRODURO TO-4 SAE 30 (--- GAL)**

## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

### Wear

All component wear rates are normal.

### Contamination

There is no indication of any contamination in the fluid.

### Fluid Condition

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

## SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	<b>PCA0084193</b>	PCA0085735	---
Sample Date	Client Info	<b>24 Oct 2023</b>	16 May 2023	---
Machine Age	hrs Client Info	<b>33859</b>	33313	---
Oil Age	hrs Client Info	<b>33313</b>	33313	---
Oil Changed	Client Info	<b>Not Chngd</b>	N/A	---
Sample Status		<b>NORMAL</b>	NORMAL	---

## WEAR METALS

method	limit/base	current	history1	history2
Iron ppm ASTM D5185m	>200	<b>1</b>	7	---
Chromium ppm ASTM D5185m	>5	<b>0</b>	0	---
Nickel ppm ASTM D5185m	>5	<b>&lt;1</b>	0	---
Titanium ppm ASTM D5185m		<b>0</b>	0	---
Silver ppm ASTM D5185m	>7	<b>0</b>	0	---
Aluminum ppm ASTM D5185m	>25	<b>1</b>	<1	---
Lead ppm ASTM D5185m	>45	<b>0</b>	<1	---
Copper ppm ASTM D5185m	>225	<b>2</b>	5	---
Tin ppm ASTM D5185m	>10	<b>&lt;1</b>	<1	---
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>0</b>	2	---
Barium ppm ASTM D5185m	0	<b>0</b>	0	---
Molybdenum ppm ASTM D5185m	0	<b>0</b>	<1	---
Manganese ppm ASTM D5185m	9	<b>0</b>	0	---
Magnesium ppm ASTM D5185m	1	<b>27</b>	10	---
Calcium ppm ASTM D5185m	3131	<b>3146</b>	3524	---
Phosphorus ppm ASTM D5185m	1194	<b>995</b>	883	---
Zinc ppm ASTM D5185m	1281	<b>1170</b>	1067	---
Sulfur ppm ASTM D5185m	3811	<b>3737</b>	3939	---

## CONTAMINANTS

method	limit/base	current	history1	history2
Silicon ppm ASTM D5185m	>125	<b>5</b>	14	---
Sodium ppm ASTM D5185m		<b>&lt;1</b>	0	---
Potassium ppm ASTM D5185m	>20	<b>&lt;1</b>	2	---

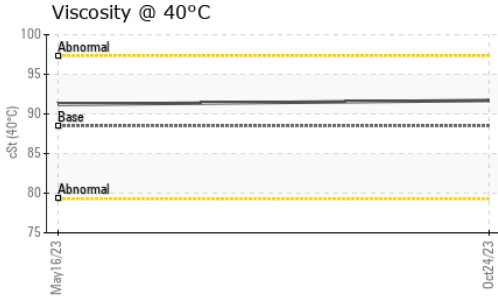
## VISUAL

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	>0.1	<b>NEG</b>	NEG	---
Free Water scalar *Visual		<b>NEG</b>	NEG	---

## FLUID PROPERTIES

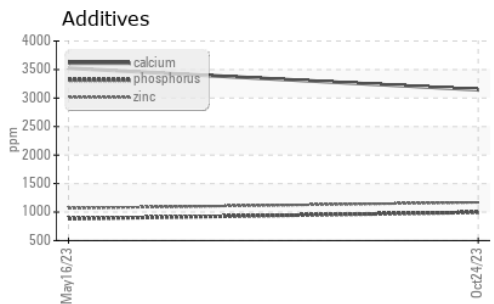
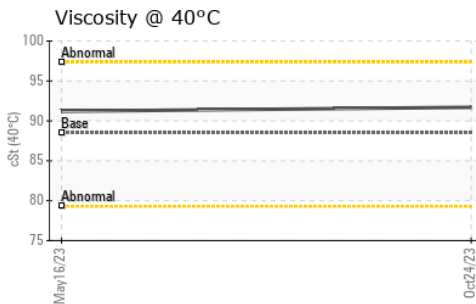
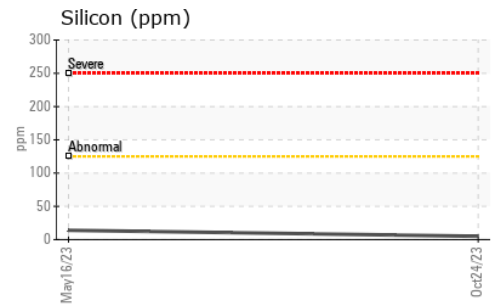
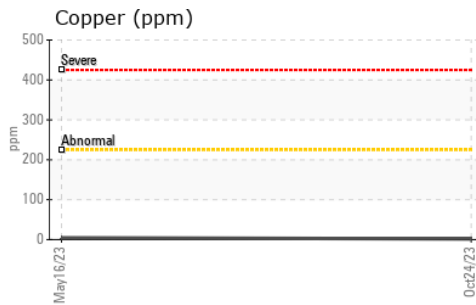
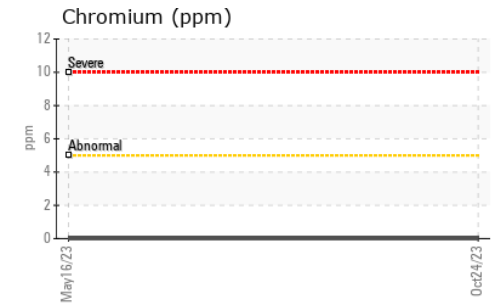
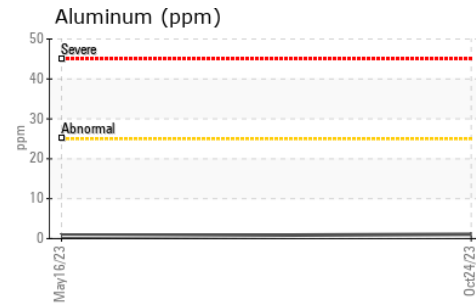
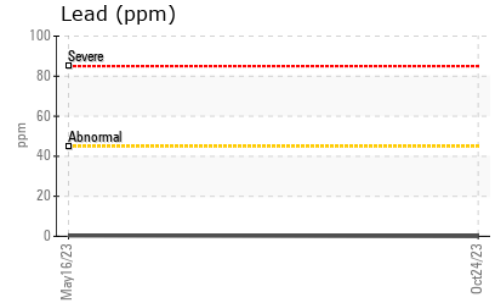
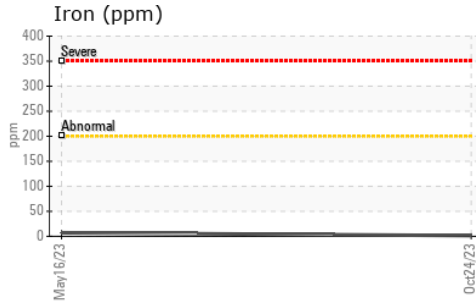
method	limit/base	current	history1	history2
Visc @ 40°C cSt ASTM D445	88.5	<b>91.7</b>	91.2	---

# OIL ANALYSIS REPORT



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.** : PCA0084193 **Received** : 08 Nov 2023  
**Lab Number** : 06002549 **Diagnosed** : 09 Nov 2023  
**Unique Number** : 10736311 **Diagnostician** : Wes Davis  
**Test Package** : MOB 1

**Kemp Quarries - River Valley - Arkoma**  
 12971 HWY 9a  
 Shawnee, OK  
 US 74804  
 Contact:

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)

arkomashop@kempquarries.net

T:

F: