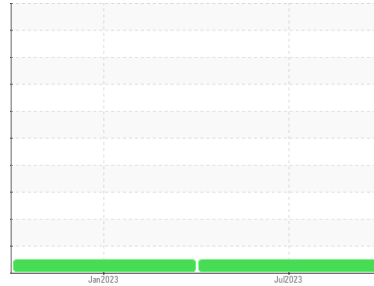


# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Area  
**KEMP QUARRIES / BCS-STILWELL**  
 Machine Id  
**TTH036**  
 Component  
**Hydraulic System**  
 Fluid  
**PETRO CANADA HYDREX AW 68 (--- GAL)**

## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor. ( Customer Sample Comment: PM-1 sampled fluid. Filters not avail this service )

### 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>PCA0086292</b>	PCA0086715	---
Sample Date	Client Info	<b>06 Jul 2023</b>	30 Jan 2023	---
Machine Age	hrs Client Info	<b>6958</b>	6499	---
Oil Age	hrs Client Info	<b>6958</b>	6499	---
Oil Changed	Client Info	<b>N/A</b>	Changed	---
Sample Status		<b>NORMAL</b>	NORMAL	---

## WEAR METALS

method	limit/base	current	history1	history2
Iron ppm ASTM D5185m	>20	<b>9</b>	19	---
Chromium ppm ASTM D5185m	>10	<b>&lt;1</b>	<1	---
Nickel ppm ASTM D5185m	>10	<b>&lt;1</b>	0	---
Titanium ppm ASTM D5185m		<b>0</b>	0	---
Silver ppm ASTM D5185m		<b>0</b>	0	---
Aluminum ppm ASTM D5185m	>10	<b>2</b>	0	---
Lead ppm ASTM D5185m	>10	<b>0</b>	0	---
Copper ppm ASTM D5185m	>75	<b>5</b>	9	---
Tin ppm ASTM D5185m	>10	<b>0</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	0	<b>0</b>	0	---
Barium ppm ASTM D5185m	0	<b>0</b>	0	---
Molybdenum ppm ASTM D5185m	0	<b>16</b>	<1	---
Manganese ppm ASTM D5185m	0	<b>&lt;1</b>	<1	---
Magnesium ppm ASTM D5185m	0	<b>250</b>	2	---
Calcium ppm ASTM D5185m	50	<b>358</b>	236	---
Phosphorus ppm ASTM D5185m	330	<b>540</b>	292	---
Zinc ppm ASTM D5185m	430	<b>654</b>	337	---
Sulfur ppm ASTM D5185m	760	<b>1919</b>	1192	---

## CONTAMINANTS

method	limit/base	current	history1	history2
Silicon ppm ASTM D5185m	>20	<b>6</b>	16	---
Sodium ppm ASTM D5185m		<b>1</b>	1	---
Potassium ppm ASTM D5185m	>20	<b>2</b>	0	---

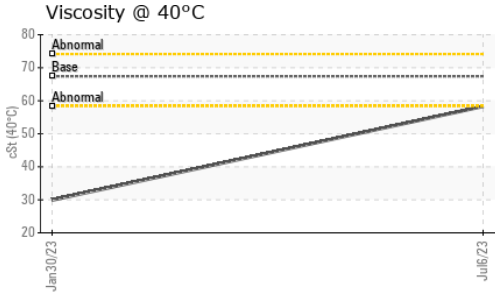
## VISUAL

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

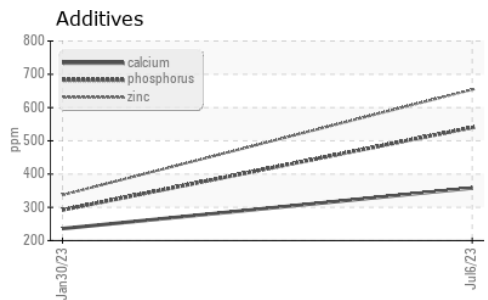
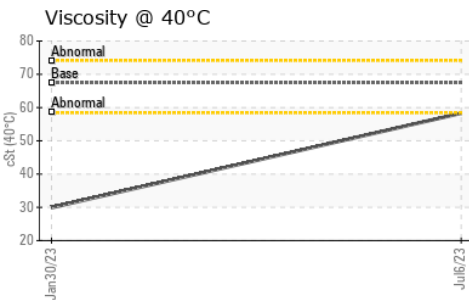
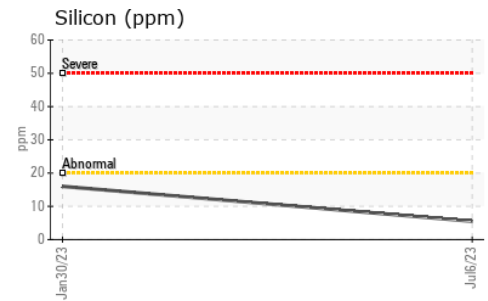
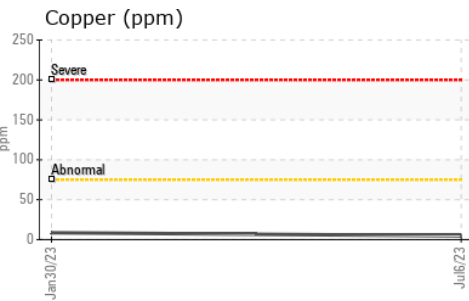
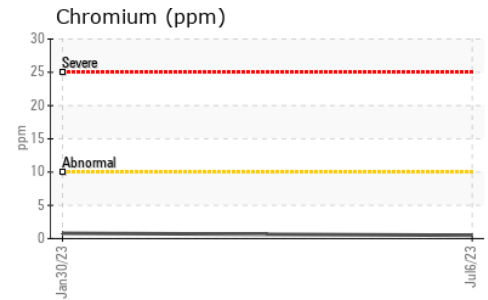
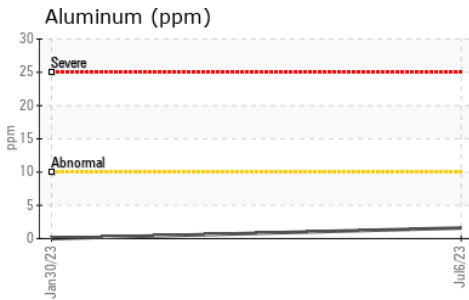
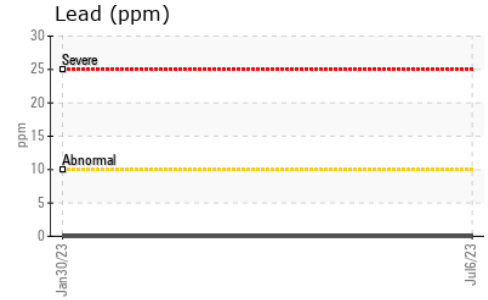
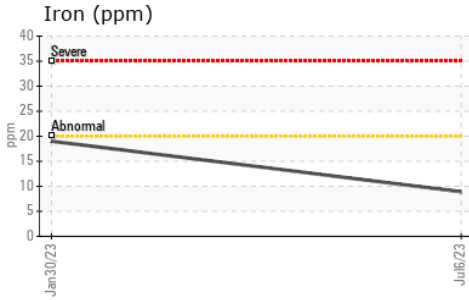
method	limit/base	current	history1	history2
Visc @ 40°C cSt ASTM D445	67.4	<b>58.3</b>	29.9	---

# OIL ANALYSIS REPORT



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.** : PCA0086292      **Received** : 10 Jul 2023  
**Lab Number** : 05894733      **Diagnosed** : 12 Jul 2023  
**Unique Number** : 10550543      **Diagnostician** : Don Baldrige  
**Test Package** : MOB 1

**Kemp Quarries - Benton County Stone - Stillwell**  
 463917 Highway 100  
 Bunch, OK  
 US 74931

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)

stilwell@bentoncountystone.com

T:

F: