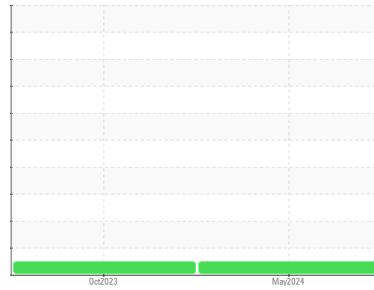


# OIL ANALYSIS REPORT

**Sample Rating Trend**

**NORMAL**


Area  
**KEMP QUARRIES / BCS - STILLWELL [68279]**  
 Machine Id  
**WL144**  
 Component  
**Rear Differential**  
 Fluid  
**PETRO CANADA HYDREX AW 68 (--- 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 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>PCA0109092</b>	PCA0086992	---
Sample Date	Client Info			<b>20 May 2024</b>	17 Oct 2023	---
Machine Age	hrs	Client Info		<b>23340</b>	22822	---
Oil Age	hrs	Client Info		<b>23340</b>	22822	---
Oil Changed	Client Info			<b>N/A</b>	N/A	---
Sample Status				<b>NORMAL</b>	NORMAL	---

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

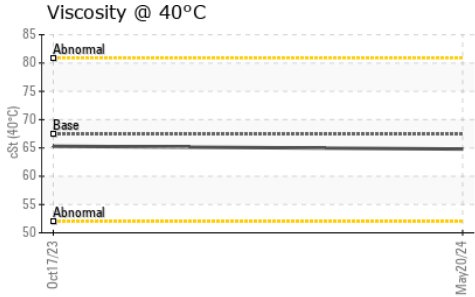
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>500	<b>205</b>	195	---
Chromium	ppm	ASTM D5185m	>10	<b>2</b>	<1	---
Nickel	ppm	ASTM D5185m	>10	<b>4</b>	3	---
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	---
Silver	ppm	ASTM D5185m		<b>1</b>	0	---
Aluminum	ppm	ASTM D5185m	>25	<b>1</b>	2	---
Lead	ppm	ASTM D5185m	>25	<b>3</b>	3	---
Copper	ppm	ASTM D5185m	>100	<b>12</b>	11	---
Tin	ppm	ASTM D5185m	>10	<b>&lt;1</b>	<1	---
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Cadmium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	---

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	<b>1</b>	2	---
Barium	ppm	ASTM D5185m	0	<b>&lt;1</b>	10	---
Molybdenum	ppm	ASTM D5185m	0	<b>2</b>	2	---
Manganese	ppm	ASTM D5185m	0	<b>2</b>	2	---
Magnesium	ppm	ASTM D5185m	0	<b>8</b>	6	---
Calcium	ppm	ASTM D5185m	50	<b>169</b>	190	---
Phosphorus	ppm	ASTM D5185m	330	<b>338</b>	379	---
Zinc	ppm	ASTM D5185m	430	<b>405</b>	445	---
Sulfur	ppm	ASTM D5185m	760	<b>937</b>	1178	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>75	<b>27</b>	26	---
Sodium	ppm	ASTM D5185m		<b>2</b>	0	---
Potassium	ppm	ASTM D5185m	>20	<b>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	>.2	<b>NEG</b>	NEG	---
Free Water	scalar	*Visual		<b>NEG</b>	NEG	---

# OIL ANALYSIS REPORT

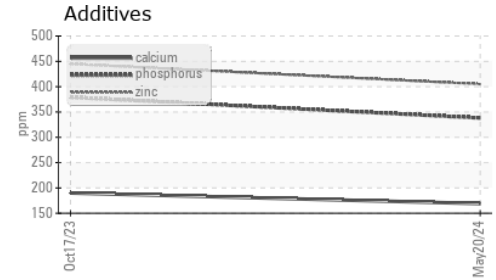
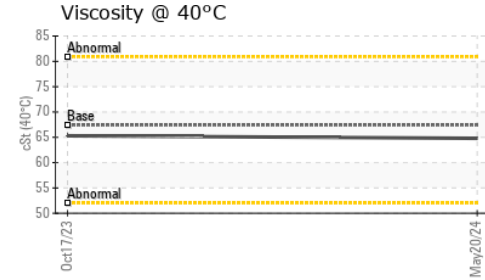
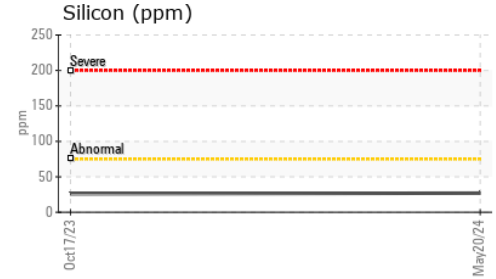
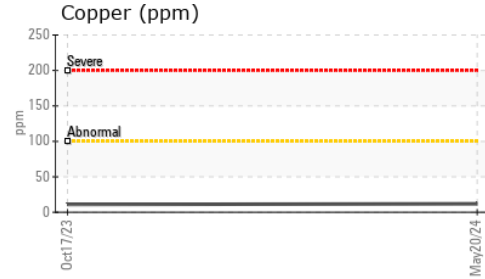
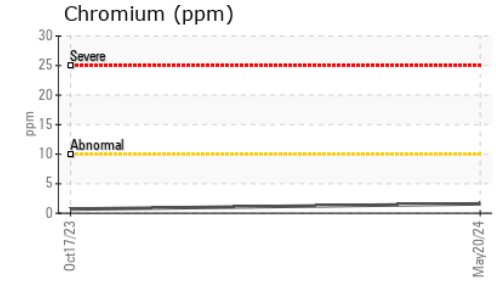
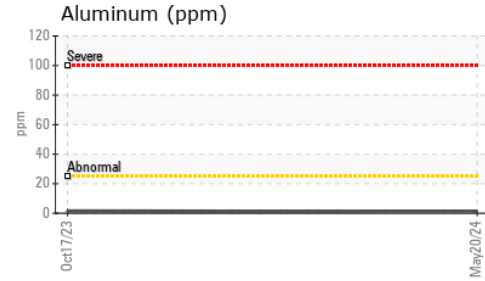
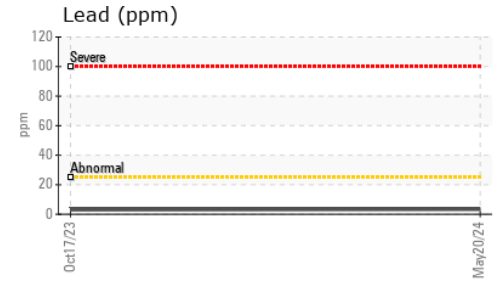
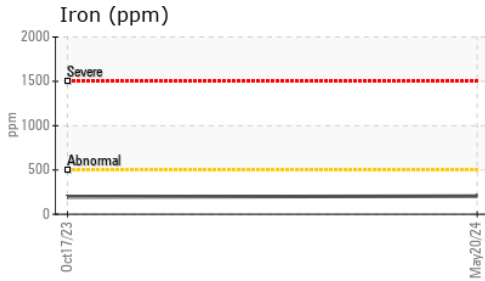


FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	67.4	64.8	65.3	---

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

## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0109092      **Received** : 28 May 2024  
**Lab Number** : 06193084      **Tested** : 30 May 2024  
**Unique Number** : 11049836      **Diagnosed** : 30 May 2024 - Sean Felton  
**Test Package** : MOB 1

**Kemp Quarries - Benton County Stone - Stillwell**  
 463917 Highway 100  
 Bunch, OK  
 US 74931  
 Contact:  
 stilwell@bentoncountystone.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)