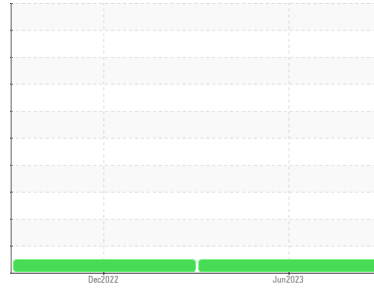


Area  
**KEMP QUARRIES / BCS - STILLWELL**  
Machine Id  
**WL090**  
Component  
**Rear Right Final Drive**  
Fluid  
**TDTO FLUID SAE 50 (--- GAL)**



## 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 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	history 1	history 2
Sample Number	Client Info		<b>PCA0086385</b>	PCA0061837	---
Sample Date	Client Info		<b>30 Jun 2023</b>	02 Dec 2022	---
Machine Age	hrs	Client Info	<b>22640</b>	22251	---
Oil Age	hrs	Client Info	<b>22640</b>	0	---
Oil Changed	Client Info		<b>N/A</b>	N/A	---
Sample Status			<b>NORMAL</b>	NORMAL	---

## WEAR METALS

	method	limit/base	current	history 1	history 2
Iron	ppm	ASTM D5185m >500	<b>170</b>	137	---
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>	<1	---
Silver	ppm	ASTM D5185m	<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m >25	<b>2</b>	2	---
Lead	ppm	ASTM D5185m >25	<b>0</b>	1	---
Copper	ppm	ASTM D5185m >50	<b>10</b>	10	---
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	history 1	history 2
Boron	ppm	ASTM D5185m 37	<b>40</b>	34	---
Barium	ppm	ASTM D5185m 7	<b>0</b>	0	---
Molybdenum	ppm	ASTM D5185m 5	<b>3</b>	2	---
Manganese	ppm	ASTM D5185m	<b>2</b>	1	---
Magnesium	ppm	ASTM D5185m 40	<b>51</b>	37	---
Calcium	ppm	ASTM D5185m 2650	<b>2936</b>	2842	---
Phosphorus	ppm	ASTM D5185m 1050	<b>1036</b>	967	---
Zinc	ppm	ASTM D5185m 1075	<b>1159</b>	1064	---
Sulfur	ppm	ASTM D5185m 5750	<b>7259</b>	6170	---

## CONTAMINANTS

	method	limit/base	current	history 1	history 2
Silicon	ppm	ASTM D5185m >75	<b>18</b>	15	---
Sodium	ppm	ASTM D5185m	<b>&lt;1</b>	1	---
Potassium	ppm	ASTM D5185m >20	<b>1</b>	0	---

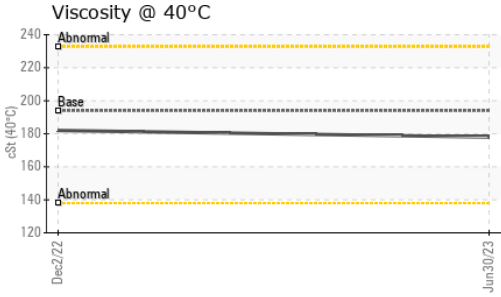
## VISUAL

	method	limit/base	current	history 1	history 2
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 >0.2	<b>NEG</b>	NEG	---
Free Water	scalar	*Visual	<b>NEG</b>	NEG	---

## FLUID PROPERTIES

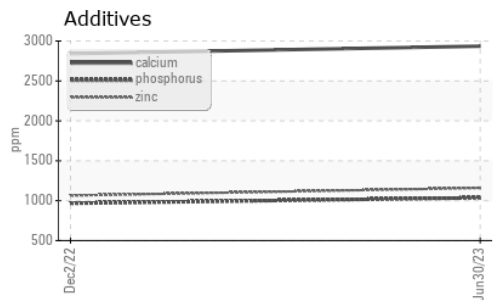
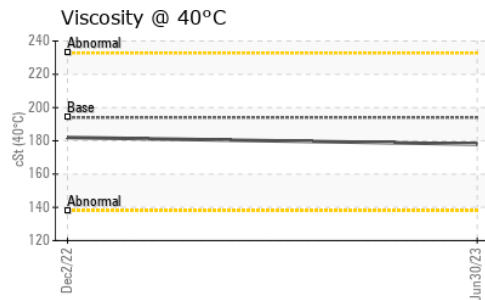
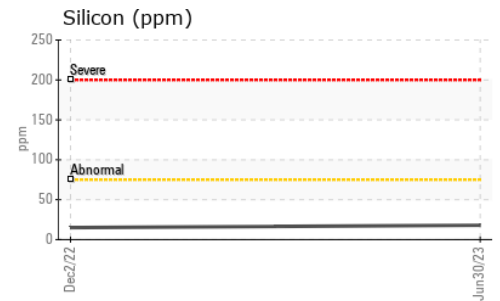
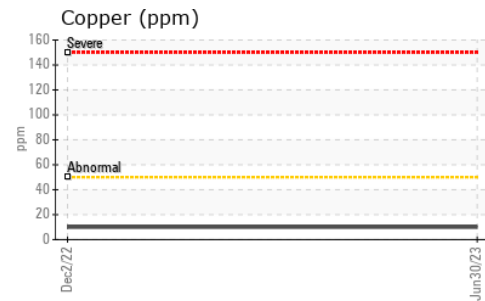
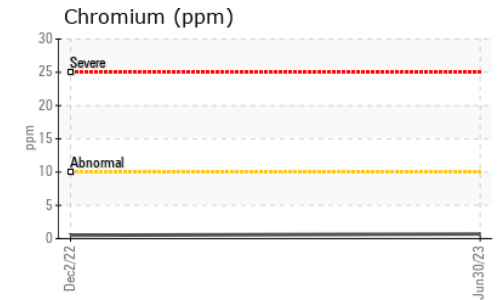
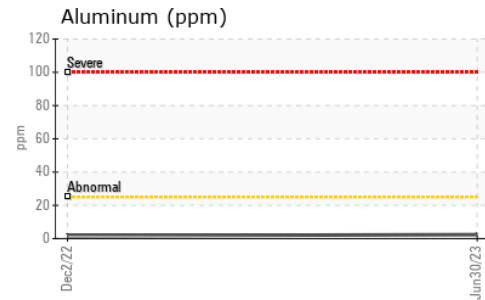
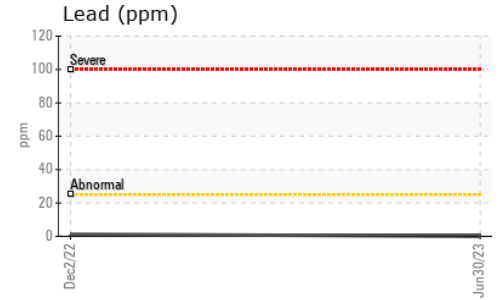
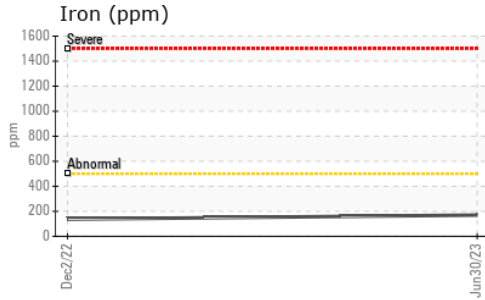
	method	limit/base	current	history 1	history 2
Visc @ 40°C	cSt	ASTM D445 194	<b>178</b>	182	---

# OIL ANALYSIS REPORT



SAMPLE IMAGES	method	limit/base	current	history 1	history 2
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.** : PCA0086385      **Received** : 10 Jul 2023  
**Lab Number** : 05894702      **Diagnosed** : 12 Jul 2023  
**Unique Number** : 10550512      **Diagnostician** : Sean Felton  
**Test Package** : MOB 1

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

stilwell@bentoncountystone.com

T:  
F: