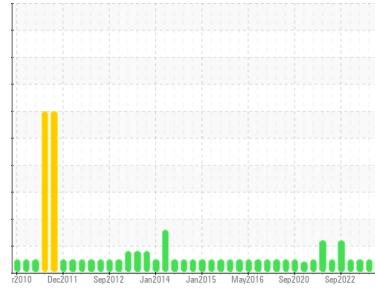


# OIL ANALYSIS REPORT



Area  
**KEMP QUARRIES / KEMP STONE - FAIRLAND [66087]**  
Machine Id  
**WL071**  
Component  
**Transmission (Manual)**  
Fluid  
**PETRO CANADA PRODURO TO-4 SAE 30 (--- GAL)**

Sample Rating Trend



**NORMAL**



## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor. ( Customer Sample Comment: PM-3 sampled fluid )

### 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>PCA0086238</b>	PCA0086303	PCA0086052
Sample Date	Client Info		<b>06 Dec 2023</b>	20 Jun 2023	06 Apr 2023
Machine Age	hrs	Client Info	<b>32462</b>	32119	31788
Oil Age	hrs	Client Info	<b>32462</b>	32119	31788
Oil Changed	Client Info		<b>N/A</b>	Changed	N/A
Sample Status			<b>NORMAL</b>	NORMAL	NORMAL

## CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>0.1	<b>NEG</b>	NEG	NEG

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >200	<b>14</b>	15	7
Chromium	ppm	ASTM D5185m >5	<b>0</b>	0	<1
Nickel	ppm	ASTM D5185m >5	<b>0</b>	0	0
Titanium	ppm	ASTM D5185m	<b>0</b>	<1	0
Silver	ppm	ASTM D5185m >7	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m >25	<b>1</b>	<1	2
Lead	ppm	ASTM D5185m >45	<b>0</b>	0	0
Copper	ppm	ASTM D5185m >225	<b>14</b>	15	4
Tin	ppm	ASTM D5185m >10	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185m	<b>0</b>	0	0
Cadmium	ppm	ASTM D5185m	<b>0</b>	0	0

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 2	<b>2</b>	<1	<1
Barium	ppm	ASTM D5185m 0	<b>0</b>	14	0
Molybdenum	ppm	ASTM D5185m 0	<b>1</b>	2	2
Manganese	ppm	ASTM D5185m 9	<b>0</b>	0	<1
Magnesium	ppm	ASTM D5185m 1	<b>17</b>	29	15
Calcium	ppm	ASTM D5185m 3131	<b>2863</b>	2676	2524
Phosphorus	ppm	ASTM D5185m 1194	<b>897</b>	952	872
Zinc	ppm	ASTM D5185m 1281	<b>1106</b>	1199	1078
Sulfur	ppm	ASTM D5185m 3811	<b>4329</b>	4552	4338

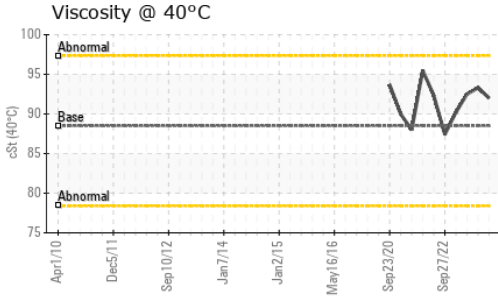
## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >125	<b>4</b>	5	16
Sodium	ppm	ASTM D5185m	<b>0</b>	<1	1
Potassium	ppm	ASTM D5185m >20	<b>2</b>	<1	<1

## VISUAL

	method	limit/base	current	history1	history2
White Metal	scalar	*Visual NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual NONE	<b>NONE</b>	NONE	NONE
Precipitate	scalar	*Visual NONE	<b>NONE</b>	NONE	NONE
Silt	scalar	*Visual NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual NONE	<b>NONE</b>	NONE	NONE
Sand/Dirt	scalar	*Visual NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	*Visual NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual >0.1	<b>NEG</b>	NEG	NEG
Free Water	scalar	*Visual	<b>NEG</b>	NEG	NEG

# OIL ANALYSIS REPORT

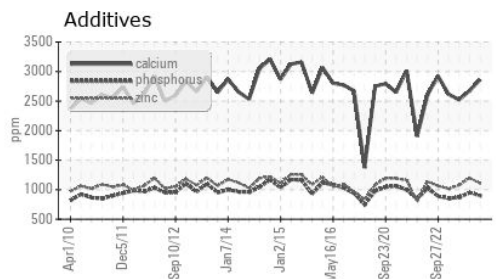
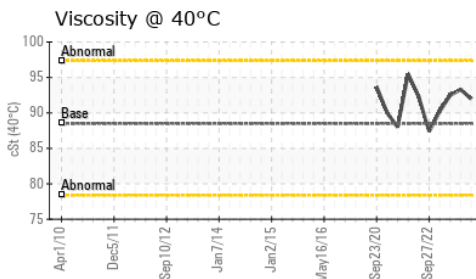
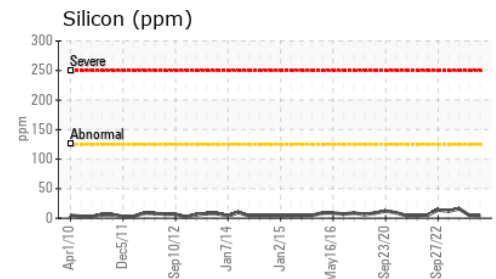
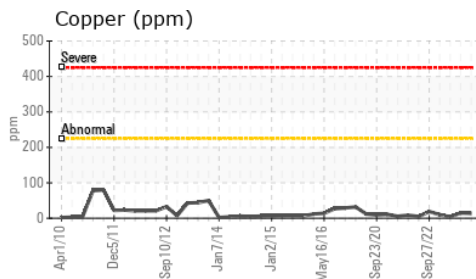
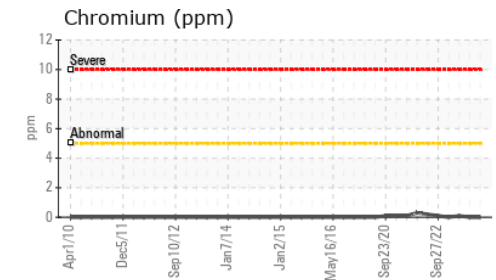
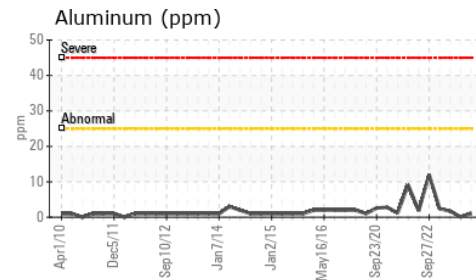
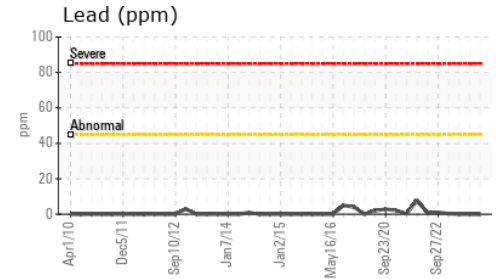
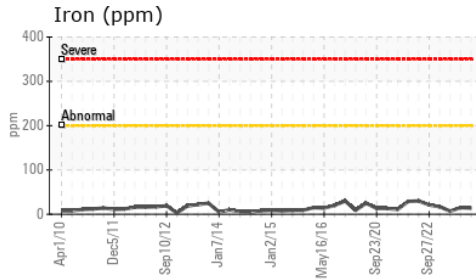


FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	88.5	<b>92.0</b>	93.3	92.5

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



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
 Sample No. : PCA0086238  
 Lab Number : 06034260  
 Unique Number : 10789489  
 Test Package : MOB 1

Kemp Quarries - Kemp Stone - Fairland  
 18350 S 590 Rd  
 Fairland, OK  
 US 74343

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: fairland@kempstone.com

T:

F: