

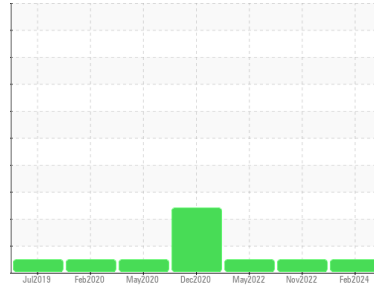
# OIL ANALYSIS REPORT

## Sample Rating Trend

**NORMAL**



Area  
**KEMP QUARRIES / KEMP STONE - FAIRLAND [62593]**  
Machine Id  
**OHT100**  
Component  
**Hydraulic System**  
Fluid  
**PETRO CANADA PRODURO TO-4 SAE 30 (--- GAL)**



## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor. ( Customer Sample Comment: PM-1 sampled fluid . Oil is black )

### 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>PCA0086498</b>	PCA0070175	PCA0061943
Sample Date	Client Info		<b>07 Feb 2024</b>	01 Nov 2022	25 May 2022
Machine Age	hrs	Client Info	<b>6938</b>	6511	6073
Oil Age	hrs	Client Info	<b>6938</b>	6511	6073
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 >26	<b>10</b>	20	17
Chromium	ppm	ASTM D5185m >5	<b>0</b>	0	<1
Nickel	ppm	ASTM D5185m >10	<b>&lt;1</b>	0	<1
Titanium	ppm	ASTM D5185m	<b>0</b>	0	<1
Silver	ppm	ASTM D5185m	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m >11	<b>&lt;1</b>	<1	1
Lead	ppm	ASTM D5185m >10	<b>&lt;1</b>	<1	2
Copper	ppm	ASTM D5185m >31	<b>&lt;1</b>	2	2
Tin	ppm	ASTM D5185m >10	<b>0</b>	0	<1
Antimony	ppm	ASTM D5185m	<b>---</b>	---	---
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>&lt;1</b>	1	5
Barium	ppm	ASTM D5185m 0	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m 0	<b>10</b>	10	13
Manganese	ppm	ASTM D5185m 9	<b>&lt;1</b>	<1	<1
Magnesium	ppm	ASTM D5185m 1	<b>179</b>	134	183
Calcium	ppm	ASTM D5185m 3131	<b>803</b>	793	1573
Phosphorus	ppm	ASTM D5185m 1194	<b>640</b>	557	735
Zinc	ppm	ASTM D5185m 1281	<b>782</b>	708	962
Sulfur	ppm	ASTM D5185m 3811	<b>2012</b>	2041	2648

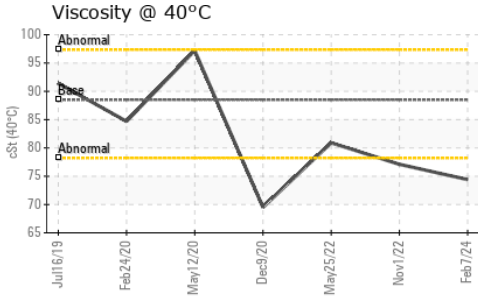
## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >21	<b>4</b>	4	5
Sodium	ppm	ASTM D5185m	<b>1</b>	0	2
Potassium	ppm	ASTM D5185m >20	<b>0</b>	1	0

## 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

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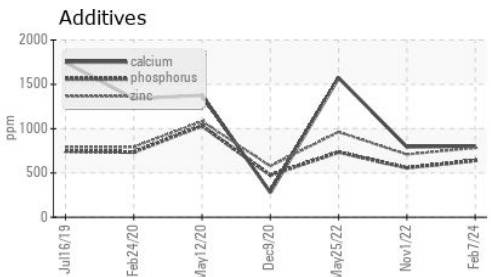
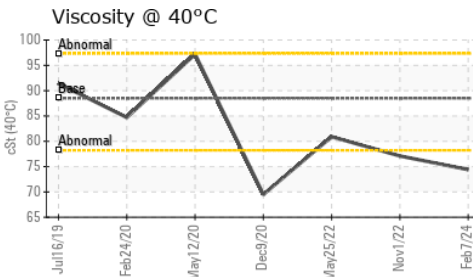
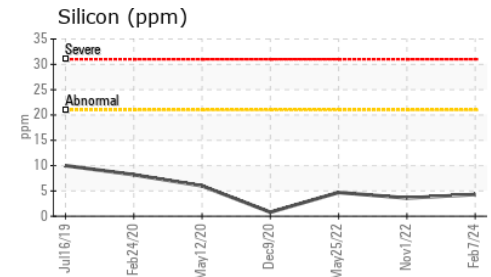
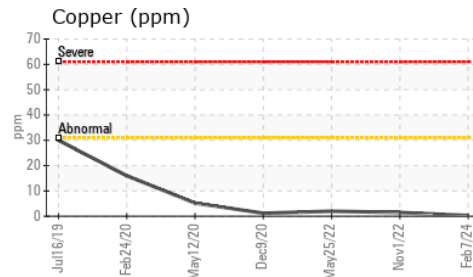
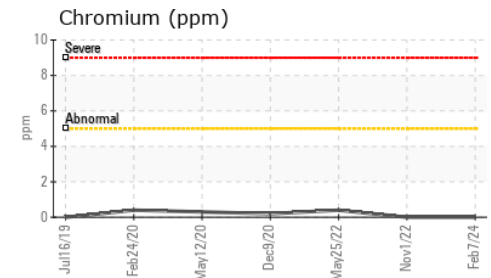
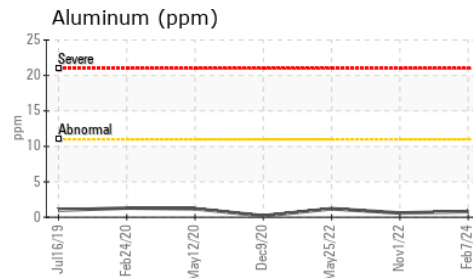
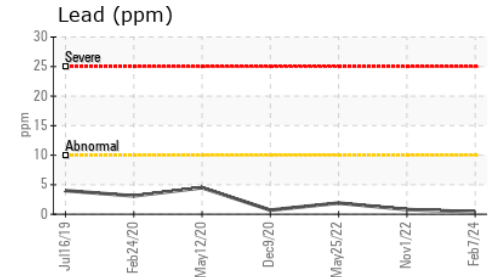
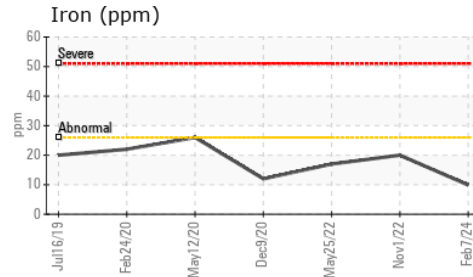


FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	88.5	<b>74.4</b>	77.1	80.9

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.** : PCA0086498  
**Lab Number** : 06088451  
**Unique Number** : 10875896  
**Test Package** : MOB 1

**Received** : 13 Feb 2024  
**Tested** : 14 Feb 2024  
**Diagnosed** : 15 Feb 2024 - Don Baldrige

**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: