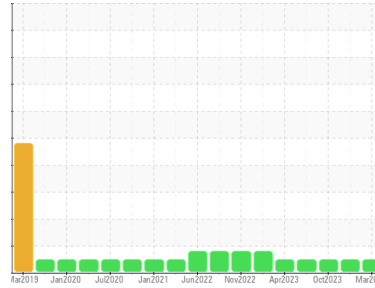


# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Area  
**KEMP QUARRIES / KEMP STONE - FAIRLAND [69063]**  
 Machine Id  
**WL128**  
 Component  
**Rear Differential**  
 Fluid  
**PETRO CANADA PRODURO TO-4 SAE 50 (--- GAL)**

## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor. ( Customer Sample Comment: PM-1 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>PCA0109308</b>	PCA0086564	PCA0084755
Sample Date	Client Info	<b>20 Mar 2024</b>	21 Dec 2023	06 Oct 2023
Machine Age	hrs	<b>35410</b>	34954	34458
Oil Age	hrs	<b>35410</b>	32942	34458
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 >.2	<b>NEG</b>	NEG	NEG

## WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm ASTM D5185m >500	<b>49</b>	293	317
Chromium	ppm ASTM D5185m >10	<b>&lt;1</b>	<1	3
Nickel	ppm ASTM D5185m >10	<b>&lt;1</b>	0	<1
Titanium	ppm ASTM D5185m	<b>&lt;1</b>	<1	<1
Silver	ppm ASTM D5185m	<b>0</b>	0	0
Aluminum	ppm ASTM D5185m >25	<b>3</b>	3	4
Lead	ppm ASTM D5185m >25	<b>&lt;1</b>	<1	0
Copper	ppm ASTM D5185m >100	<b>&lt;1</b>	2	2
Tin	ppm ASTM D5185m >10	<b>&lt;1</b>	<1	0
Vanadium	ppm ASTM D5185m	<b>&lt;1</b>	0	0
Cadmium	ppm ASTM D5185m	<b>&lt;1</b>	0	0

## ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m 2	<b>0</b>	<1	0
Barium	ppm ASTM D5185m 0	<b>1</b>	0	0
Molybdenum	ppm ASTM D5185m 0	<b>1</b>	2	3
Manganese	ppm ASTM D5185m 0	<b>&lt;1</b>	2	2
Magnesium	ppm ASTM D5185m 9	<b>9</b>	18	16
Calcium	ppm ASTM D5185m 3114	<b>3462</b>	3128	3392
Phosphorus	ppm ASTM D5185m 1099	<b>1138</b>	957	915
Zinc	ppm ASTM D5185m 1245	<b>1310</b>	1198	1240
Sulfur	ppm ASTM D5185m 7086	<b>6032</b>	4501	5108

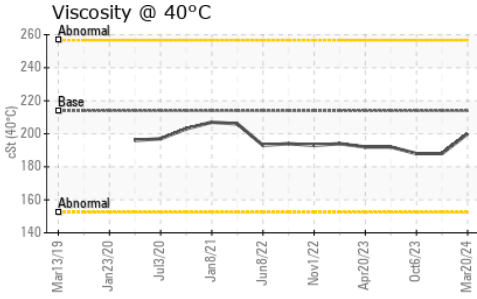
## CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >75	<b>9</b>	34	38
Sodium	ppm ASTM D5185m	<b>0</b>	1	0
Potassium	ppm ASTM D5185m >20	<b>2</b>	<1	2

## 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 >.2	<b>NEG</b>	NEG	NEG
Free Water	scalar *Visual	<b>NEG</b>	NEG	NEG

# OIL ANALYSIS REPORT

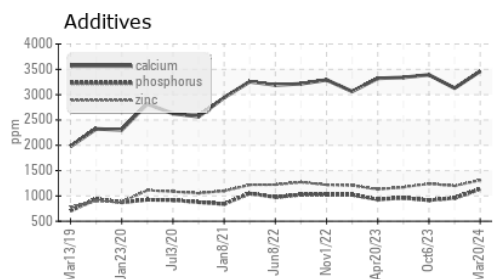
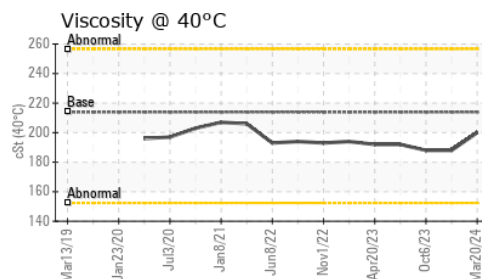
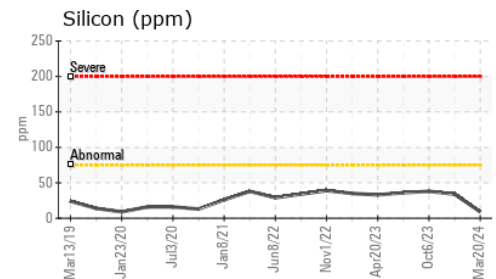
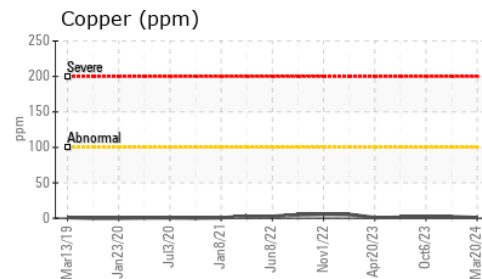
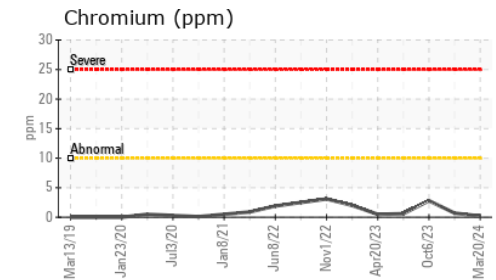
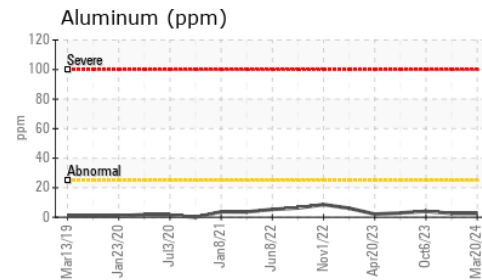
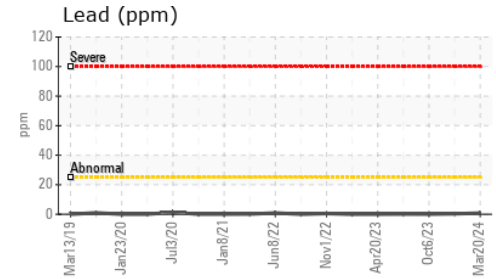
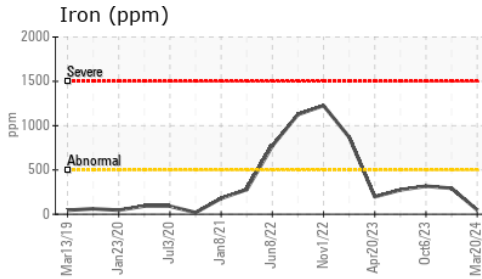


FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	213.9	<b>200</b>	188	188

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.** : PCA0109308  
**Lab Number** : 06128917  
**Unique Number** : 10943068  
**Test Package** : MOB 1

**Received** : 25 Mar 2024  
**Tested** : 28 Mar 2024  
**Diagnosed** : 28 Mar 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: