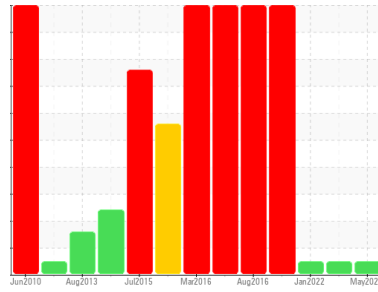


# OIL ANALYSIS REPORT



Area  
**KEMP QUARRIES / KEMP STONE - FAIRLAND [68773]**  
Machine Id  
**OHT042**  
Component  
**Rear Left Final Drive**  
Fluid  
**PETRO CANADA PRODURO TO-4 SAE 50 (--- GAL)**

Sample Rating Trend



**NORMAL**



## DIAGNOSIS

### Recommendation

( Customer Sample Comment: PM-4 changed fluid )

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>PCA0108718</b>	PCA0037516	PCA0025437
Sample Date	Client Info		<b>15 May 2024</b>	21 Apr 2022	24 Jan 2022
Machine Age	hrs	Client Info	<b>26970</b>	26463	26022
Oil Age	hrs	Client Info	<b>26970</b>	26463	26022
Oil Changed	Client Info		<b>Changed</b>	N/A	N/A
Sample Status			<b>NORMAL</b>	NORMAL	NORMAL

## CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>0.2	<b>NEG</b>	NEG	NEG

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >800	<b>84</b>	149	158
Chromium	ppm	ASTM D5185m >10	<b>&lt;1</b>	3	4
Nickel	ppm	ASTM D5185m >5	<b>&lt;1</b>	<1	0
Titanium	ppm	ASTM D5185m >15	<b>&lt;1</b>	<1	<1
Silver	ppm	ASTM D5185m >2	<b>&lt;1</b>	0	<1
Aluminum	ppm	ASTM D5185m >75	<b>3</b>	6	9
Lead	ppm	ASTM D5185m >10	<b>&lt;1</b>	4	2
Copper	ppm	ASTM D5185m >75	<b>28</b>	74	73
Tin	ppm	ASTM D5185m >8	<b>&lt;1</b>	<1	<1
Antimony	ppm	ASTM D5185m >50	<b>---</b>	---	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>1</b>	5	6
Barium	ppm	ASTM D5185m 0	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m 0	<b>2</b>	2	2
Manganese	ppm	ASTM D5185m 0	<b>1</b>	2	2
Magnesium	ppm	ASTM D5185m 9	<b>29</b>	25	19
Calcium	ppm	ASTM D5185m 3114	<b>2973</b>	2975	3220
Phosphorus	ppm	ASTM D5185m 1099	<b>996</b>	1014	1109
Zinc	ppm	ASTM D5185m 1245	<b>1227</b>	1120	1220
Sulfur	ppm	ASTM D5185m 7086	<b>6685</b>	7291	8187

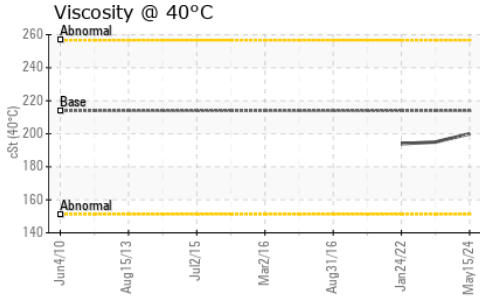
## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >400	<b>39</b>	23	27
Sodium	ppm	ASTM D5185m	<b>&lt;1</b>	8	4
Potassium	ppm	ASTM D5185m >20	<b>4</b>	5	11

## VISUAL

	method	limit/base	current	history1	history2
White Metal	scalar	*Visual NONE	<b>NONE</b>	LIGHT	MODER
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>	LIGHT	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 >0.2	<b>NEG</b>	NEG	NEG
Free Water	scalar	*Visual	<b>NEG</b>	NEG	NEG

# OIL ANALYSIS REPORT

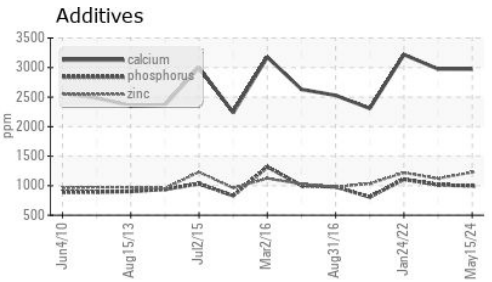
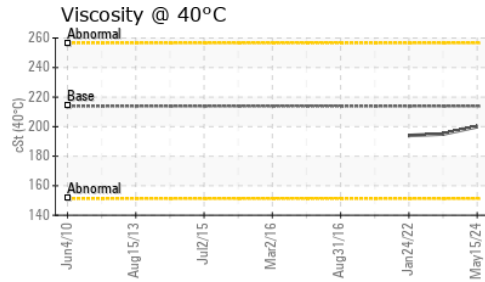
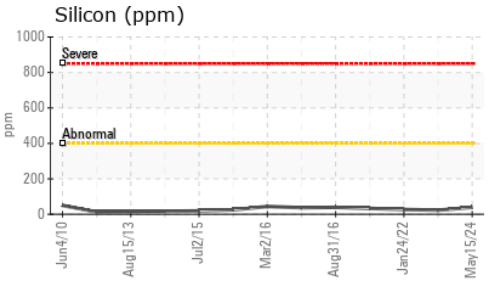
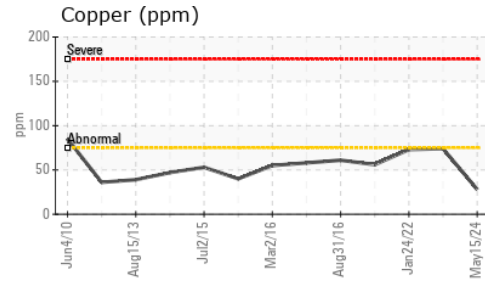
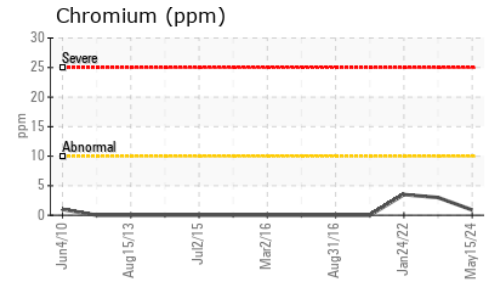
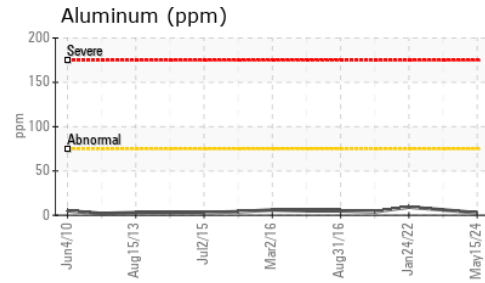
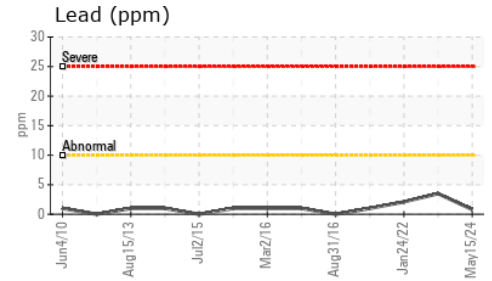
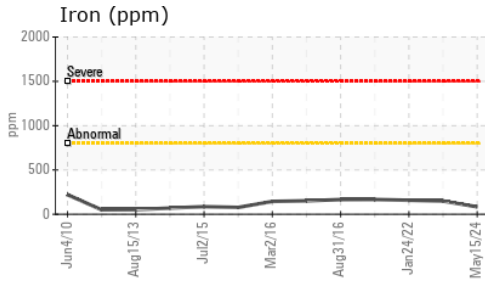


FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	213.9	<b>200</b>	195	194

SAMPLE IMAGES	method	limit/base	current	history1	history2
---------------	--------	------------	---------	----------	----------

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.** : PCA0108718  
**Lab Number** : 06189823  
**Unique Number** : 11046575  
**Test Package** : MOB 1

**Received** : 23 May 2024  
**Tested** : 30 May 2024  
**Diagnosed** : 30 May 2024 - Angela Borella

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

fairland@kempstone.com

T:

F: