



WEAR	<b>NORMAL</b>
CONTAMINATION	<b>NORMAL</b>
FLUID CONDITION	<b>NORMAL</b>



Area  
**KEMP QUARRIES / SELIGMAN [65165]**  
Machine Id  
**CATERPILLAR OHT114**  
Component  
**Rear Right Final Drive**  
Fluid  
**PETRO CANADA PRODURO TO-4 SAE 50 (--- GAL)**

**RECOMMENDATION**

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>PCA0109070</b>	PCA0086065	PCA0037561
Sample Date		Client Info		<b>11 Mar 2024</b>	05 Apr 2023	15 Apr 2022
Machine Age	hrs	Client Info		<b>37902</b>	37377	36878
Oil Age	hrs	Client Info		<b>37902</b>	31377	36878
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>N/A</b>	N/A	N/A
Filter Changed		Client Info		<b>N/A</b>	N/A	N/A
Sample Status				<b>NORMAL</b>	NORMAL	SEVERE

**WEAR**

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>800	<b>128</b>	58	73
Chromium	ppm	ASTM D5185m	>10	<b>1</b>	<1	<1
Nickel	ppm	ASTM D5185m	>5	<b>&lt;1</b>	<1	<1
Titanium	ppm	ASTM D5185m	>15	<b>1</b>	<1	<1
Silver	ppm	ASTM D5185m	>2	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>75	<b>5</b>	4	2
Lead	ppm	ASTM D5185m	>10	<b>3</b>	1	<1
Copper	ppm	ASTM D5185m	>75	<b>28</b>	13	5
Tin	ppm	ASTM D5185m	>8	<b>2</b>	<1	<1
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	MODER	▲ VHEVY
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

**CONTAMINATION**

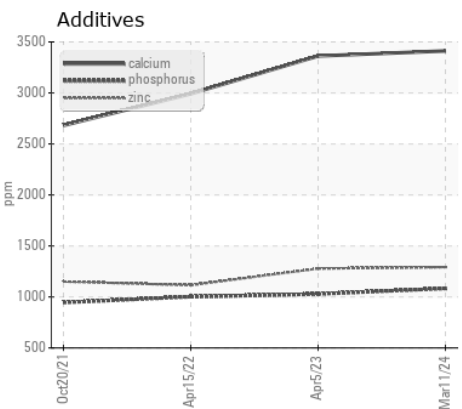
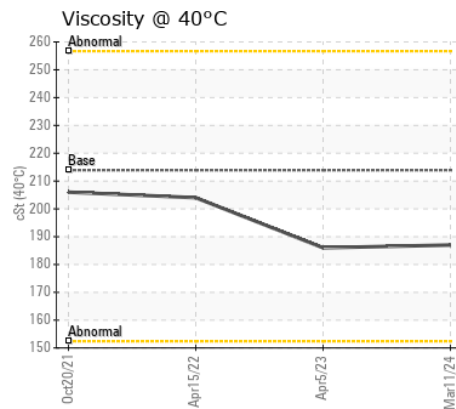
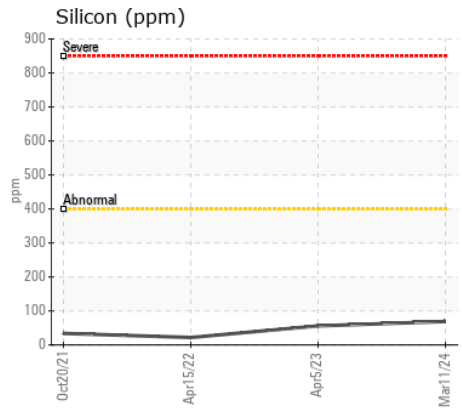
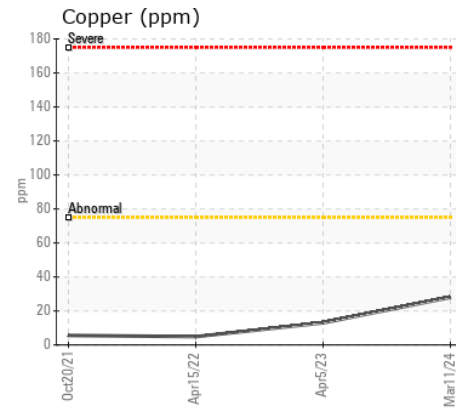
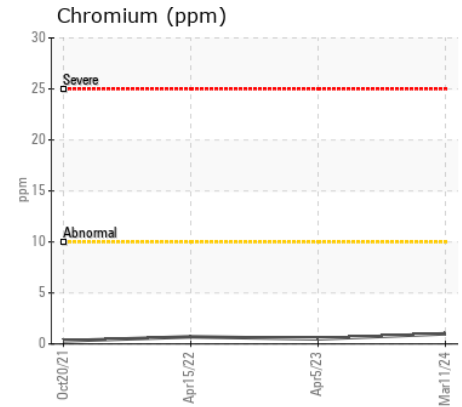
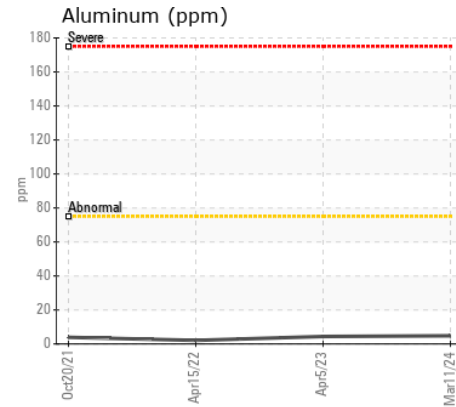
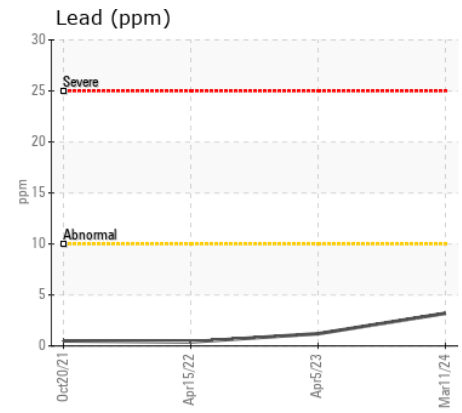
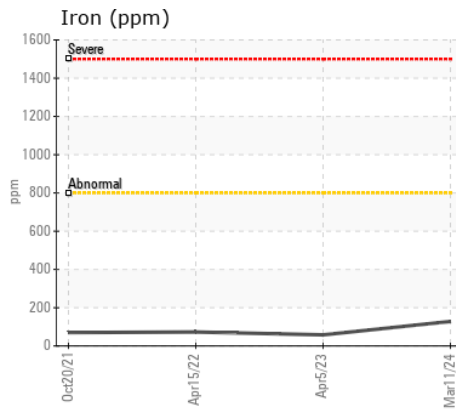
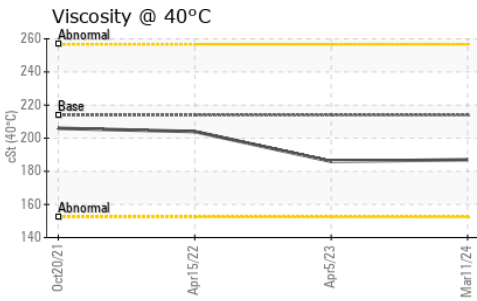
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>400	<b>69</b>	56	22
Potassium	ppm	ASTM D5185m	>20	<b>4</b>	2	0
Water		WC Method	>0.2	<b>NEG</b>	NEG	NEG
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	>0.2	<b>NEG</b>	NEG	NEG

**FLUID CONDITION**

The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m		<b>1</b>	3	1
Boron	ppm	ASTM D5185m	2	<b>1</b>	0	13
Barium	ppm	ASTM D5185m	0	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m	0	<b>&lt;1</b>	<1	1
Manganese	ppm	ASTM D5185m	0	<b>2</b>	1	1
Magnesium	ppm	ASTM D5185m	9	<b>17</b>	20	16
Calcium	ppm	ASTM D5185m	3114	<b>3412</b>	3362	2992
Phosphorus	ppm	ASTM D5185m	1099	<b>1083</b>	1029	1002
Zinc	ppm	ASTM D5185m	1245	<b>1292</b>	1278	1115
Sulfur	ppm	ASTM D5185m	7086	<b>4826</b>	5272	4587
Visc @ 40°C	cSt	ASTM D445	213.9	<b>187</b>	186	204



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
 Sample No. : PCA0109070  
 Lab Number : 06121809  
 Unique Number : 10935960  
 Test Package : MOB 1

Received : 18 Mar 2024  
 Tested : 19 Mar 2024  
 Diagnosed : 21 Mar 2024 - Jonathan Hester

**Kemp Quarries - BCS - Seligman**  
 8261 Farm rd 2295  
 Seligman, MO  
 US 65745  
 Contact: TECHNICIAN ACCOUNT  
 catherine.anastasio@wearcheck.com

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)

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F: