



Area  
**[66779]**  
 Machine Id  
**OHT045**  
 Component  
**Right Final Drive**  
 Fluid  
**PETRO CANADA PRODURO TO-4 SAE 50 (--- GAL)**

**RECOMMENDATION**

No corrective action is recommended at this time. 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>PCA0126271</b>	PCA0062024	PCA0037606
Sample Date		Client Info		<b>25 Jun 2024</b>	18 Jan 2023	14 Apr 2022
Machine Age	hrs	Client Info		<b>3951</b>	3426	2905
Oil Age	hrs	Client Info		<b>3951</b>	10014	2905
Filter Age	hrs	Client Info		<b>0</b>	3426	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>ABNORMAL</b>	ABNORMAL	NORMAL

**WEAR**

Bearing and/or bushing wear is indicated.

Iron	ppm	ASTM D5185m	>800	<b>36</b>	69	22
Chromium	ppm	ASTM D5185m	>10	<b>2</b>	<1	<1
Nickel	ppm	ASTM D5185m	>5	<b>&lt;1</b>	0	<1
Titanium	ppm	ASTM D5185m	>15	<b>0</b>	<1	<1
Silver	ppm	ASTM D5185m	>2	<b>&lt;1</b>	<1	<1
Aluminum	ppm	ASTM D5185m	>75	<b>3</b>	3	2
Lead	ppm	ASTM D5185m	>10	<b>6</b>	▲ 10	2
Copper	ppm	ASTM D5185m	>75	▲ <b>150</b>	▲ 74	3
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>	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

**CONTAMINATION**

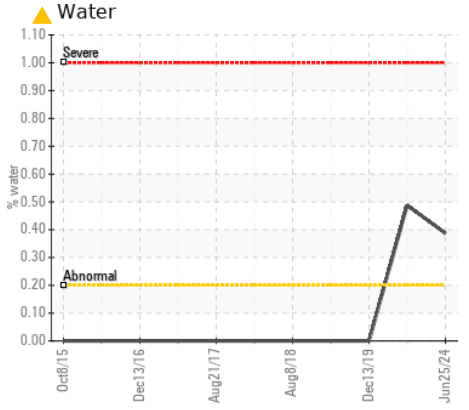
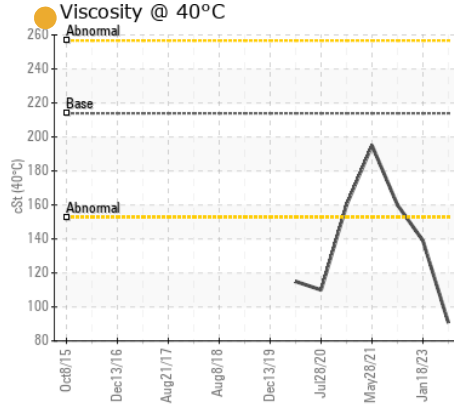
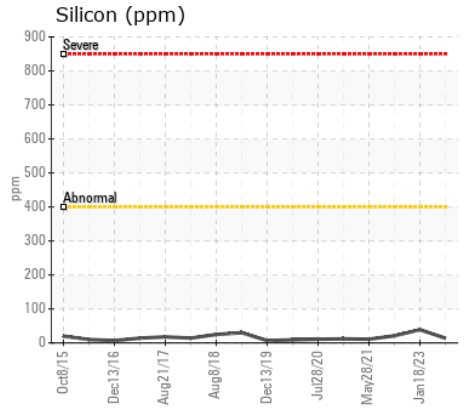
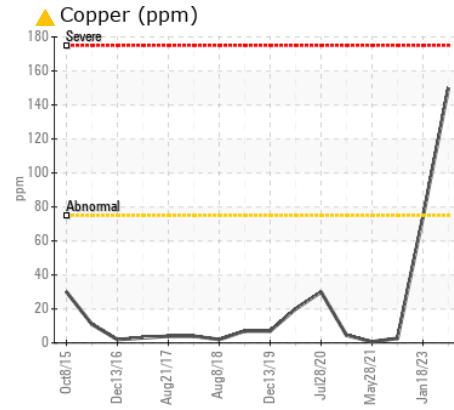
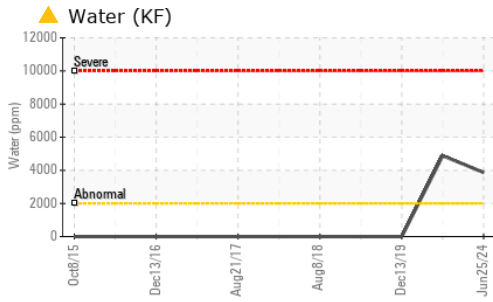
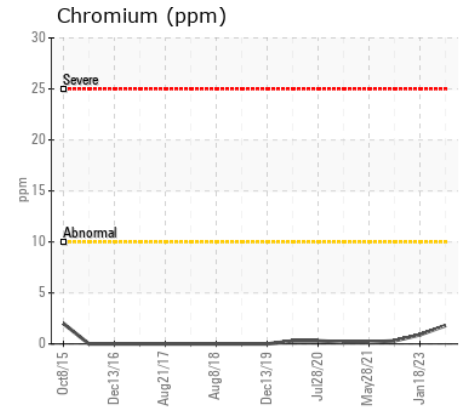
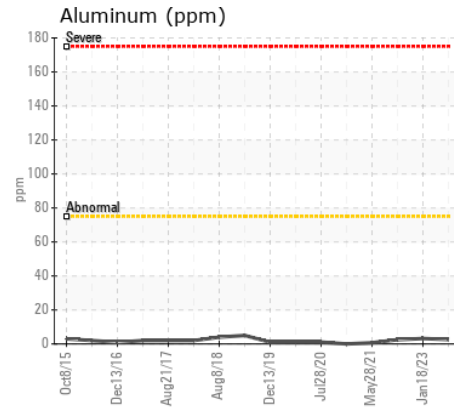
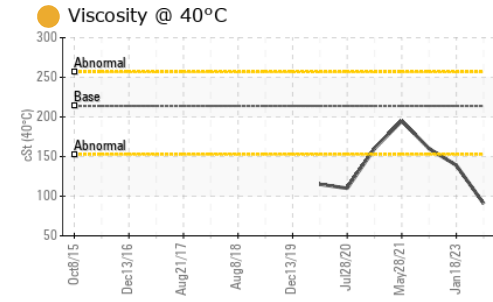
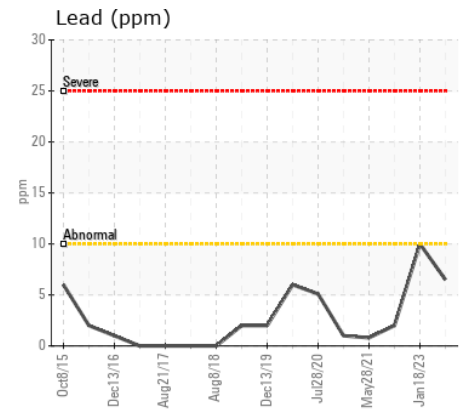
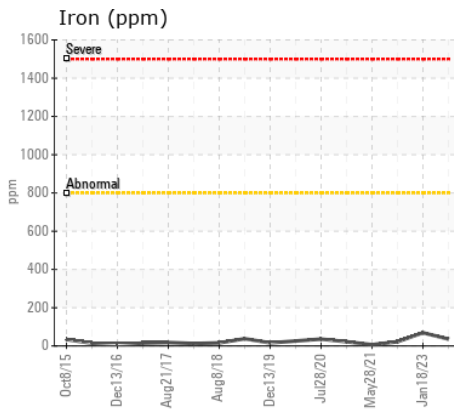
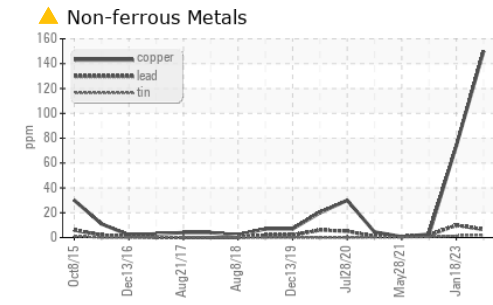
There is a light concentration of water present in the oil.

Silicon	ppm	ASTM D5185m	>400	<b>14</b>	39	21
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	4	0
Water	%	ASTM D6304	>0.2	▲ <b>0.387</b>	▲ 0.488	---
ppm Water	ppm	ASTM D6304	>2000	▲ <b>3870</b>	▲ 4880	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	▲ MODER	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>0.2%</b>	0.2%	NEG

**FLUID CONDITION**

The oil viscosity is lower than normal. Confirm oil type.

Sodium	ppm	ASTM D5185m		<b>23</b>	70	1
Boron	ppm	ASTM D5185m	2	<b>15</b>	9	3
Barium	ppm	ASTM D5185m	0	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m	0	<b>2</b>	4	2
Manganese	ppm	ASTM D5185m	0	<b>0</b>	1	<1
Magnesium	ppm	ASTM D5185m	9	<b>17</b>	32	47
Calcium	ppm	ASTM D5185m	3114	<b>2869</b>	2645	3140
Phosphorus	ppm	ASTM D5185m	1099	<b>970</b>	891	1059
Zinc	ppm	ASTM D5185m	1245	<b>1339</b>	1263	1242
Sulfur	ppm	ASTM D5185m	7086	<b>3797</b>	5451	4312
Visc @ 40°C	cSt	ASTM D445	213.9	● <b>90.7</b>	139	160



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0126271 **Received** : 02 Jul 2024  
**Lab Number** : 06226609 **Tested** : 03 Jul 2024  
**Unique Number** : 11110102 **Diagnosed** : 05 Jul 2024 - Don Baldridge  
**Test Package** : MOB 1 ( Additional Tests: KF )

**Kemp Quarries - Kemp Stone - Neosho**  
 19148 Ingersol Lane  
 Neosho, MO  
 US 64850  
 Contact: NEOSHO NOTIFICATIONS  
 neosho@kempstone.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)

T:  
F: