



Area  
[68978]  
Machine Id  
Component  
**OHT101**  
Front 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-1 sampled fluid )

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>PCA0109339</b>	PCA0084718	PCA0062496
Sample Date		Client Info		<b>04 Apr 2024</b>	19 Oct 2023	05 Apr 2022
Machine Age	hrs	Client Info		<b>17749</b>	17273	16935
Oil Age	hrs	Client Info		<b>17749</b>	17273	16717
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>N/A</b>	Changed	Not Changd
Filter Changed		Client Info		<b>N/A</b>	N/A	N/A
Sample Status				<b>NORMAL</b>	ABNORMAL	NORMAL

**WEAR**

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>800	<b>62</b>	69	117
Chromium	ppm	ASTM D5185m	>10	<b>1</b>	<1	<1
Nickel	ppm	ASTM D5185m	>5	<b>&lt;1</b>	<1	0
Titanium	ppm	ASTM D5185m	>15	<b>&lt;1</b>	<1	0
Silver	ppm	ASTM D5185m	>2	<b>0</b>	0	<1
Aluminum	ppm	ASTM D5185m	>75	<b>4</b>	2	2
Lead	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	<1
Copper	ppm	ASTM D5185m	>75	<b>22</b>	28	37
Tin	ppm	ASTM D5185m	>8	<b>2</b>	2	2
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	LIGHT
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

**CONTAMINATION**

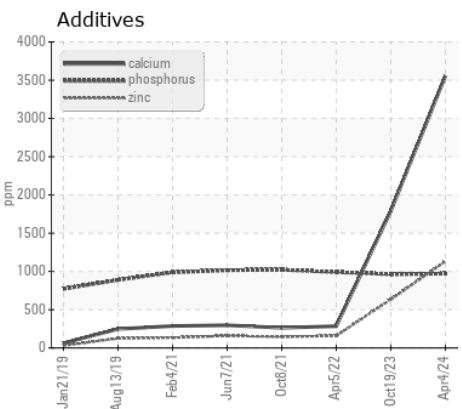
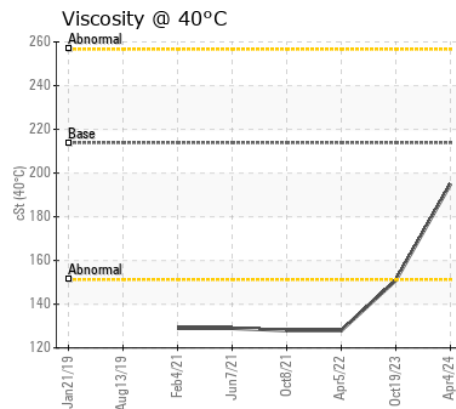
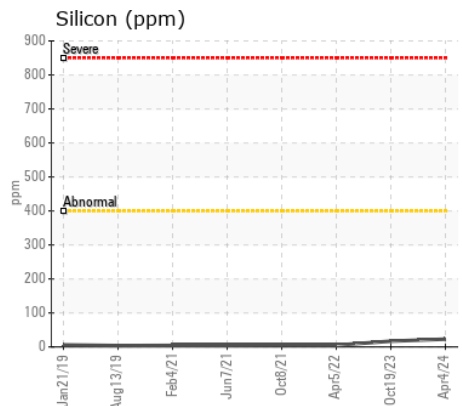
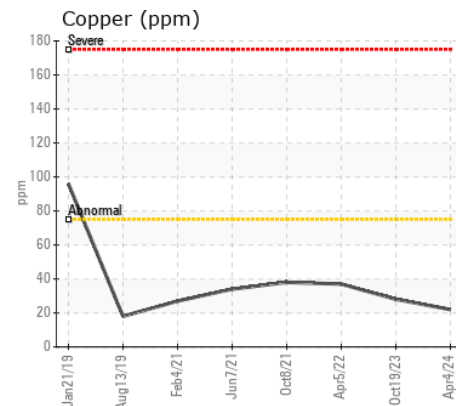
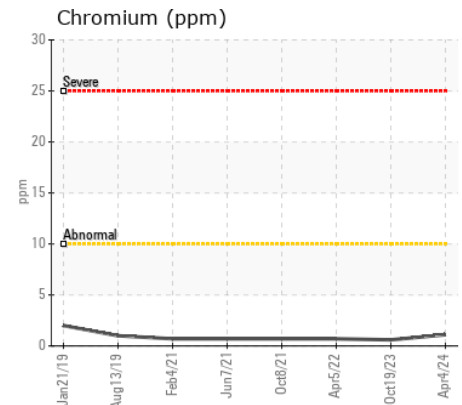
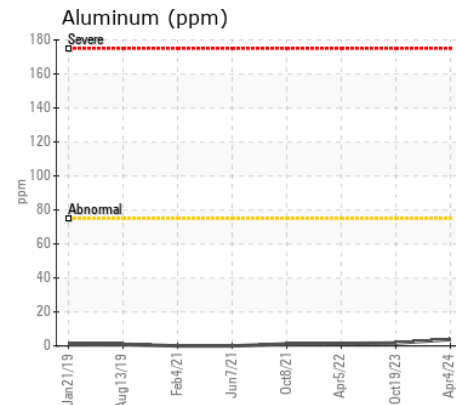
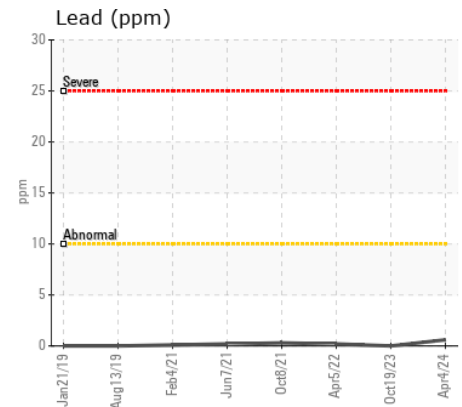
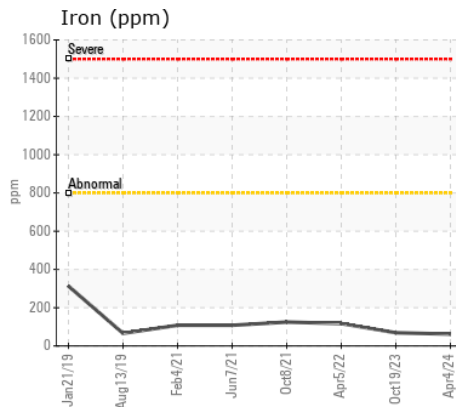
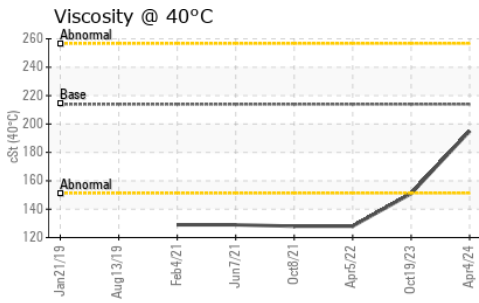
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>400	<b>23</b>	17	5
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	2	1
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>	▲ 0.2%	NEG

**FLUID CONDITION**

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

Sodium	ppm	ASTM D5185m		<b>&lt;1</b>	2	0
Boron	ppm	ASTM D5185m	2	<b>16</b>	62	98
Barium	ppm	ASTM D5185m	0	<b>1</b>	19	0
Molybdenum	ppm	ASTM D5185m	0	<b>9</b>	17	31
Manganese	ppm	ASTM D5185m	0	<b>1</b>	1	1
Magnesium	ppm	ASTM D5185m	9	<b>18</b>	12	10
Calcium	ppm	ASTM D5185m	3114	<b>3554</b>	1792	285
Phosphorus	ppm	ASTM D5185m	1099	<b>971</b>	964	990
Zinc	ppm	ASTM D5185m	1245	<b>1132</b>	634	158
Sulfur	ppm	ASTM D5185m	7086	<b>5362</b>	19546	18812
Visc @ 40°C	cSt	ASTM D445	213.9	<b>195</b>	151	128



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0109339 **Received** : 15 Apr 2024  
**Lab Number** : 06149068 **Tested** : 16 Apr 2024  
**Unique Number** : 10979146 **Diagnosed** : 17 Apr 2024 - Sean Felton  
**Test Package** : MOB 1

**Kemp Quarries - Muskogee Sand**  
 3395 W 50th St N  
 Porter, OK  
 US 74454  
 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)

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