



OIL ANALYSIS REPORT

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



Area  
**[68978]**  
 Machine Id  
**OHT101**  
 Component  
**Front Transmission (Manual)**  
 Fluid  
**PETRO CANADA PRODURO TO-4 SAE 30 (--- 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>PCA0109335</b>	PCA0084714	PCA0062495
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	Changed
Filter Changed		Client Info		<b>N/A</b>	Changed	Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

**WEAR**

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>200	<b>26</b>	21	11
Chromium	ppm	ASTM D5185m	>5	<b>0</b>	<1	0
Nickel	ppm	ASTM D5185m	>5	<b>0</b>	0	0
Titanium	ppm	ASTM D5185m		<b>0</b>	<1	<1
Silver	ppm	ASTM D5185m	>7	<b>0</b>	0	<1
Aluminum	ppm	ASTM D5185m	>25	<b>2</b>	<1	0
Lead	ppm	ASTM D5185m	>45	<b>2</b>	<1	4
Copper	ppm	ASTM D5185m	>225	<b>121</b>	117	99
Tin	ppm	ASTM D5185m	>10	<b>0</b>	1	2
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

**CONTAMINATION**

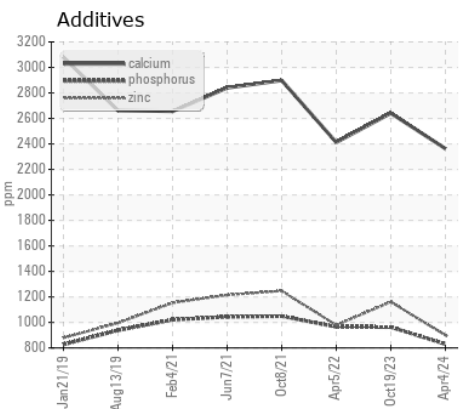
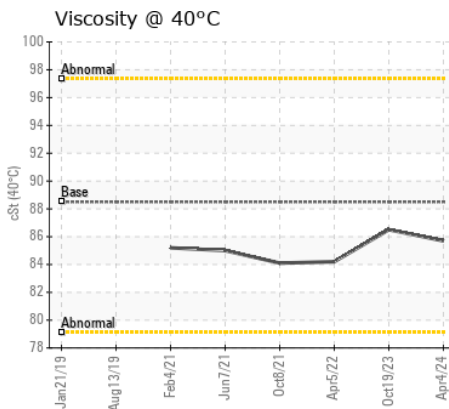
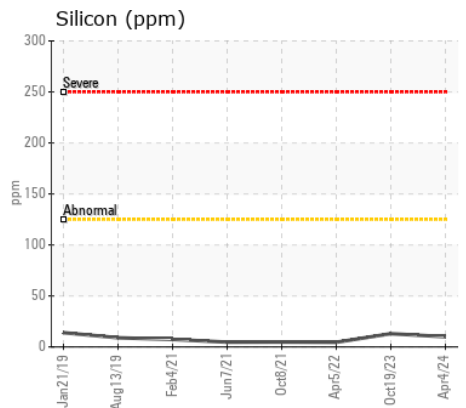
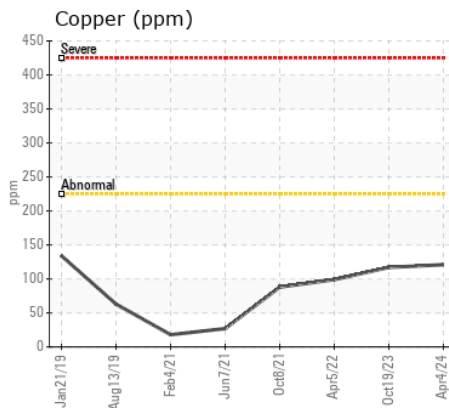
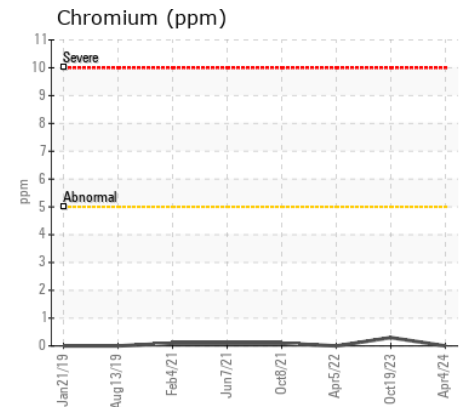
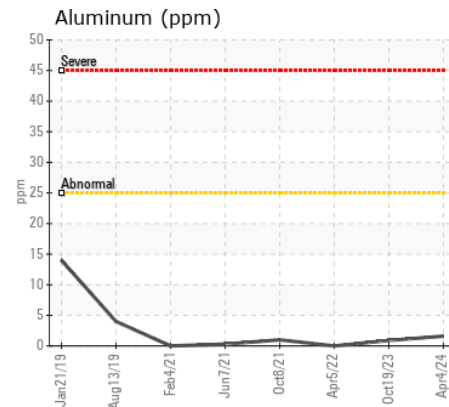
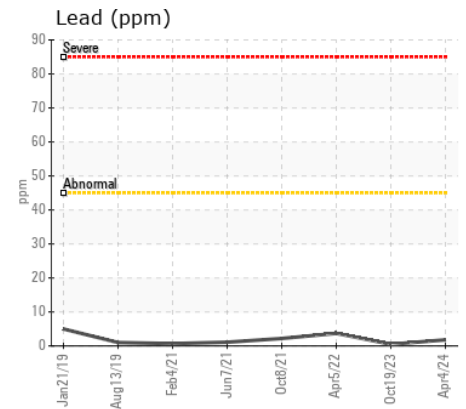
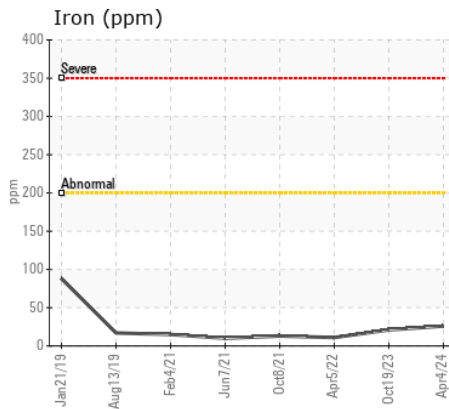
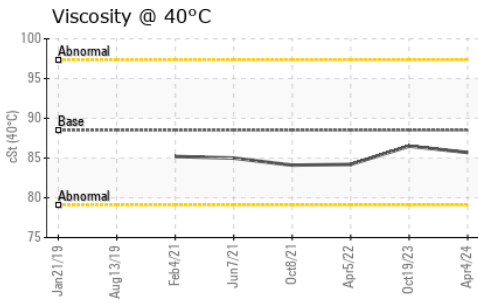
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>125	<b>10</b>	13	5
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	3	0
Water		WC Method	>0.1	<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	>0.1	<b>NEG</b>	NEG	NEG

**FLUID CONDITION**

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

Sodium	ppm	ASTM D5185m		<b>3</b>	3	0
Boron	ppm	ASTM D5185m	2	<b>&lt;1</b>	4	7
Barium	ppm	ASTM D5185m	0	<b>0</b>	19	0
Molybdenum	ppm	ASTM D5185m	0	<b>1</b>	2	6
Manganese	ppm	ASTM D5185m	9	<b>0</b>	<1	<1
Magnesium	ppm	ASTM D5185m	1	<b>17</b>	32	81
Calcium	ppm	ASTM D5185m	3131	<b>2363</b>	2641	2412
Phosphorus	ppm	ASTM D5185m	1194	<b>830</b>	963	965
Zinc	ppm	ASTM D5185m	1281	<b>900</b>	1161	979
Sulfur	ppm	ASTM D5185m	3811	<b>3517</b>	5539	3014
Visc @ 40°C	cSt	ASTM D445	88.5	<b>85.7</b>	86.5	84.2



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0109335 **Received** : 15 Apr 2024  
**Lab Number** : 06149186 **Tested** : 16 Apr 2024  
**Unique Number** : 10979264 **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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