



OIL ANALYSIS REPORT

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



Area  
**[66779]**  
 Machine Id  
**OHT045**  
 Component  
**Transmission (Manual)**  
 Fluid  
**PETRO CANADA PRODURO TO-4 SAE 30 (--- 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>PCA0126273</b>	PCA0062056	PCA0037523
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>	3426	2905
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>N/A</b>	Changed	N/A
Filter Changed		Client Info		<b>N/A</b>	Changed	Changed
Sample Status				<b>NORMAL</b>	ABNORMAL	NORMAL

**WEAR**

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>200	<b>10</b>	29	7
Chromium	ppm	ASTM D5185m	>5	<b>2</b>	2	<1
Nickel	ppm	ASTM D5185m	>5	<b>0</b>	<1	<1
Titanium	ppm	ASTM D5185m		<b>0</b>	0	<1
Silver	ppm	ASTM D5185m	>7	<b>&lt;1</b>	2	<1
Aluminum	ppm	ASTM D5185m	>25	<b>3</b>	1	2
Lead	ppm	ASTM D5185m	>45	<b>3</b>	11	7
Copper	ppm	ASTM D5185m	>225	<b>101</b>	▲ 233	6
Tin	ppm	ASTM D5185m	>10	<b>1</b>	4	<1
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**

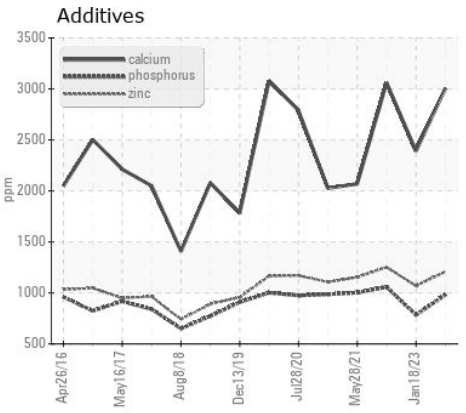
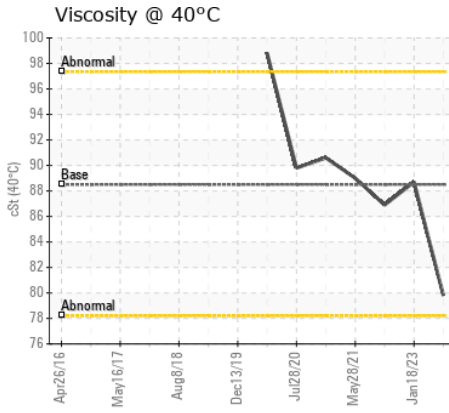
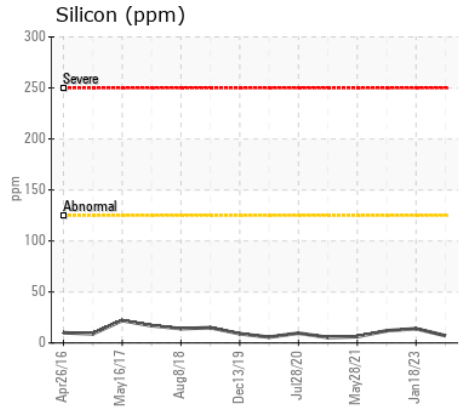
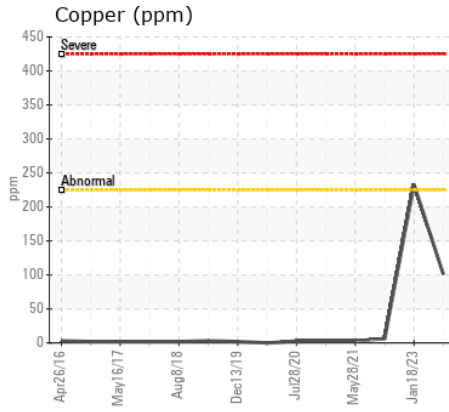
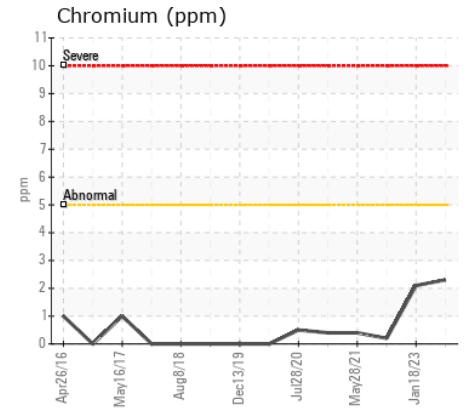
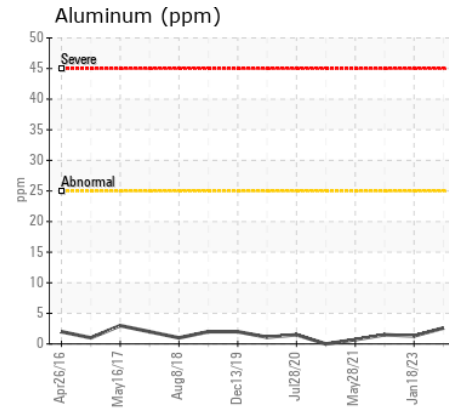
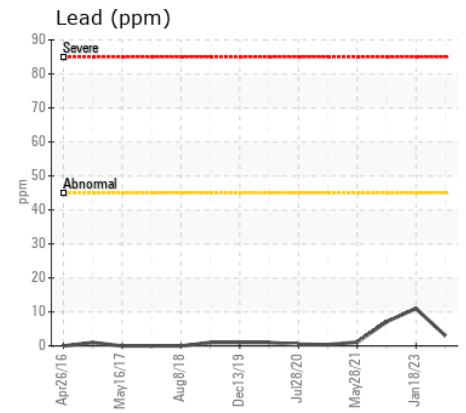
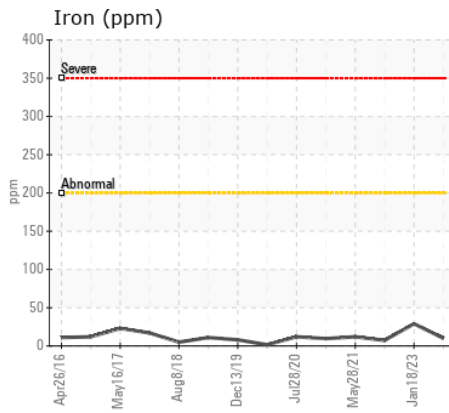
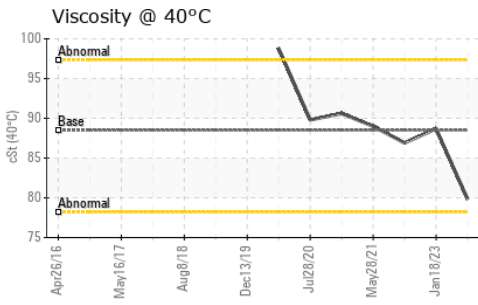
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>125	<b>7</b>	14	12
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	<1	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	LIGHT
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 oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m		<b>5</b>	29	<1
Boron	ppm	ASTM D5185m	2	<b>18</b>	15	2
Barium	ppm	ASTM D5185m	0	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m	0	<b>2</b>	3	3
Manganese	ppm	ASTM D5185m	9	<b>0</b>	<1	<1
Magnesium	ppm	ASTM D5185m	1	<b>19</b>	25	57
Calcium	ppm	ASTM D5185m	3131	<b>3006</b>	2392	3060
Phosphorus	ppm	ASTM D5185m	1194	<b>981</b>	783	1058
Zinc	ppm	ASTM D5185m	1281	<b>1208</b>	1070	1251
Sulfur	ppm	ASTM D5185m	3811	<b>3569</b>	4480	4398
Visc @ 40°C	cSt	ASTM D445	88.5	<b>79.8</b>	88.7	86.9



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0126273  
**Lab Number** : 06226680  
**Unique Number** : 11110173  
**Test Package** : MOB 1

**Received** : 02 Jul 2024  
**Tested** : 05 Jul 2024  
**Diagnosed** : 05 Jul 2024 - Don Baldrige

**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)

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F: