



WEAR **NORMAL**

CONTAMINATION **NORMAL**

FLUID CONDITION **NORMAL**



Area **KEMP QUARRIES / BCS - MILL CREEK [66781]**

Machine Id **TTT008**

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-1 sampled fluid )

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>PCA0108979</b>	PCA0086700	PCA46228005
Sample Date		Client Info		<b>11 Mar 2024</b>	02 Feb 2023	05 Dec 2019
Machine Age	hrs	Client Info		<b>7033</b>	6859	6341
Oil Age	hrs	Client Info		<b>7033</b>	6859	0
Filter Age	hrs	Client Info		<b>0</b>	0	---
Oil Changed		Client Info		<b>N/A</b>	Changed	N/A
Filter Changed		Client Info		<b>N/A</b>	Changed	N/A
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

**WEAR**

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>200	<b>20</b>	39	23
Chromium	ppm	ASTM D5185m	>5	<b>&lt;1</b>	<1	0
Nickel	ppm	ASTM D5185m	>5	<b>0</b>	0	0
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	0
Silver	ppm	ASTM D5185m	>7	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>25	<b>2</b>	4	3
Lead	ppm	ASTM D5185m	>45	<b>&lt;1</b>	<1	0
Copper	ppm	ASTM D5185m	>225	<b>8</b>	42	2
Tin	ppm	ASTM D5185m	>10	<b>&lt;1</b>	<1	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---

**CONTAMINATION**

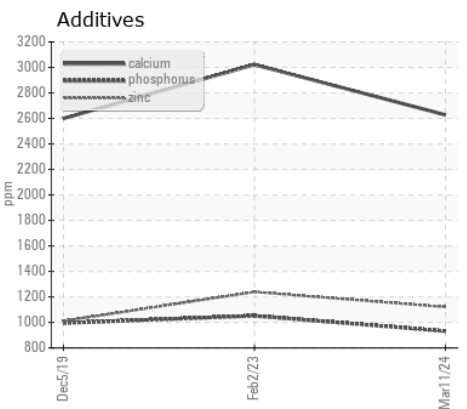
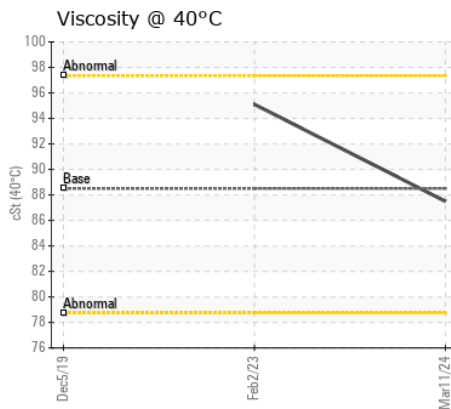
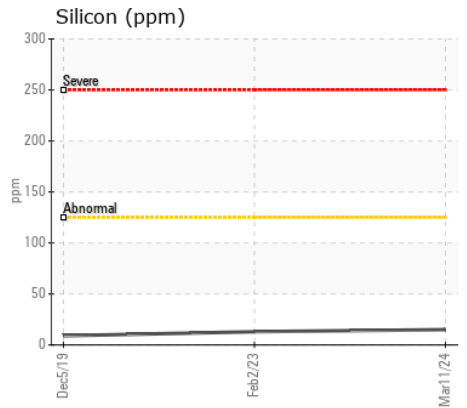
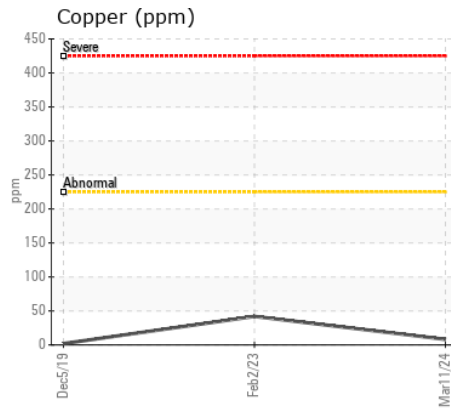
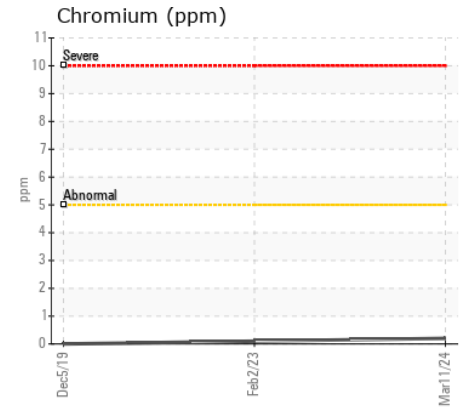
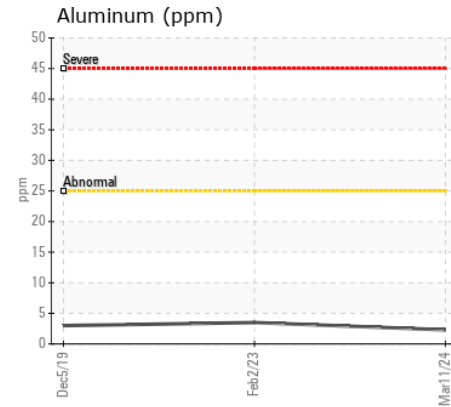
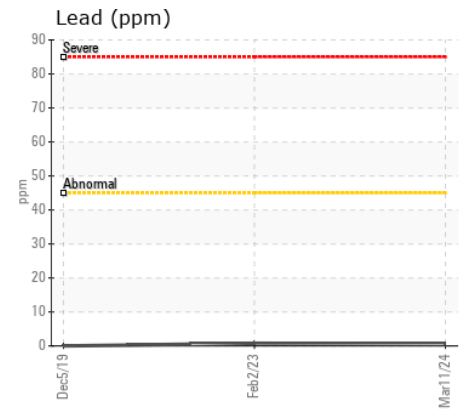
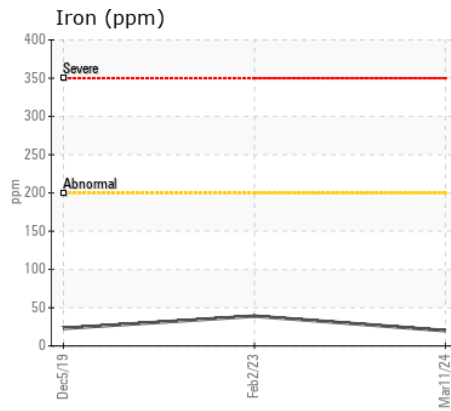
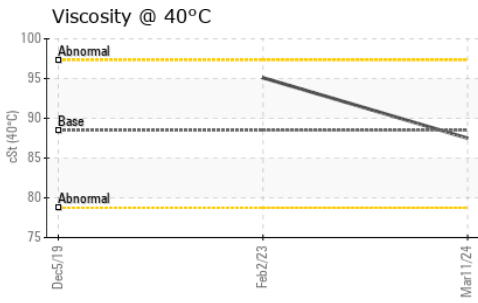
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>125	<b>15</b>	13	9
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	2	2
Water		WC Method	>0.1	<b>NEG</b>	NEG	NEG
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Emulsified Water	scalar	*Visual	>0.1	<b>NEG</b>	NEG	---

**FLUID CONDITION**

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

Sodium	ppm	ASTM D5185m		<b>0</b>	0	2
Boron	ppm	ASTM D5185m	2	<b>3</b>	6	22
Barium	ppm	ASTM D5185m	0	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m	0	<b>3</b>	2	0
Manganese	ppm	ASTM D5185m	9	<b>&lt;1</b>	<1	0
Magnesium	ppm	ASTM D5185m	1	<b>30</b>	31	19
Calcium	ppm	ASTM D5185m	3131	<b>2628</b>	3022	2600
Phosphorus	ppm	ASTM D5185m	1194	<b>932</b>	1052	995
Zinc	ppm	ASTM D5185m	1281	<b>1121</b>	1239	1011
Sulfur	ppm	ASTM D5185m	3811	<b>4480</b>	8119	---
Visc @ 40°C	cSt	ASTM D445	88.5	<b>87.5</b>	95.1	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0108979 **Received** : 18 Mar 2024  
**Lab Number** : 06121853 **Tested** : 21 Mar 2024  
**Unique Number** : 10936004 **Diagnosed** : 21 Mar 2024 - Angela Borella  
**Test Package** : MOB 1

**Kemp Quarries - BCS-Mill Creek**  
 609 Lazy E Rd  
 Noel, MO  
 US 64854  
 Contact: TRAVIS ELLIS  
 tellis@kempquarries.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: