



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



Machine Id  
**CAT 826C 9594**  
Component  
**Rear Right Final Drive**  
Fluid  
**PETRO CANADA PRODURO TO-4 SAE 30 (--- LTR)**

**RECOMMENDATION**

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>PC0078898</b>	PC0075728	PC0050954
Sample Date		Client Info		<b>28 Mar 2024</b>	27 Jun 2023	10 Aug 2022
Machine Age	hrs	Client Info		<b>26409</b>	25920	25291
Oil Age	hrs	Client Info		<b>0</b>	0	0
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Not Changd</b>	Not Changd	Not Changd
Filter Changed		Client Info		<b>Not Changd</b>	Not Changd	Not Changd
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

**WEAR**

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>800	<b>148</b>	95	112
Chromium	ppm	ASTM D5185(m)	>10	<b>0</b>	<1	0
Nickel	ppm	ASTM D5185(m)	>5	<b>0</b>	<1	0
Titanium	ppm	ASTM D5185(m)	>15	<b>&lt;1</b>	<1	2
Silver	ppm	ASTM D5185(m)	>2	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185(m)	>75	<b>3</b>	2	4
Lead	ppm	ASTM D5185(m)	>10	<b>0</b>	<1	<1
Copper	ppm	ASTM D5185(m)	>75	<b>9</b>	5	9
Tin	ppm	ASTM D5185(m)	>8	<b>0</b>	0	<1
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0
White Metal	scalar	Visual*	NONE	<b>NONE</b>	VLITE	VLITE
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE

**CONTAMINATION**

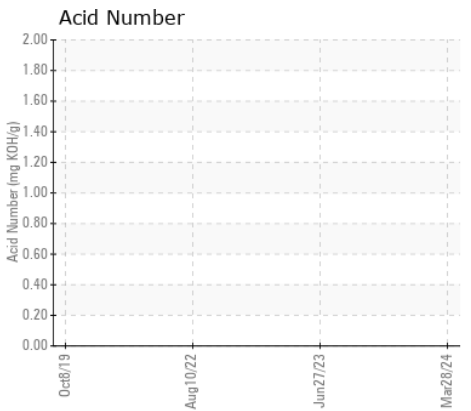
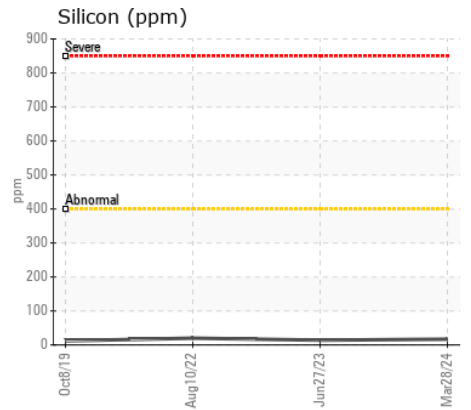
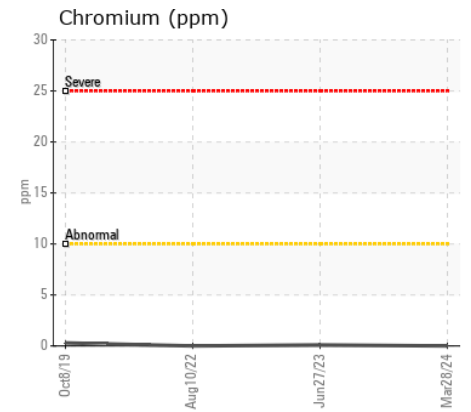
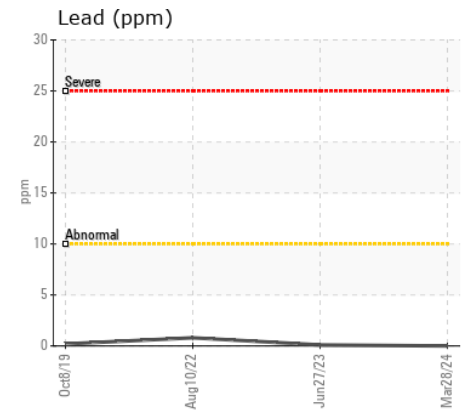
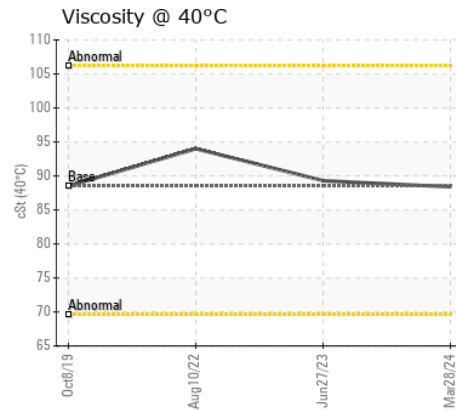
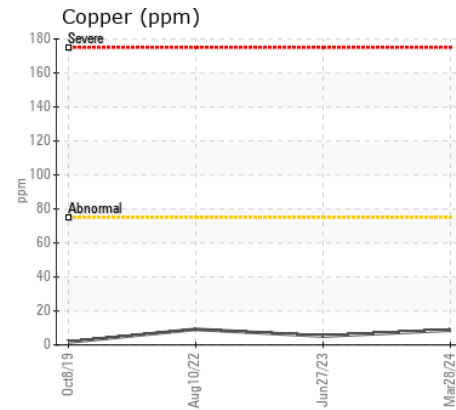
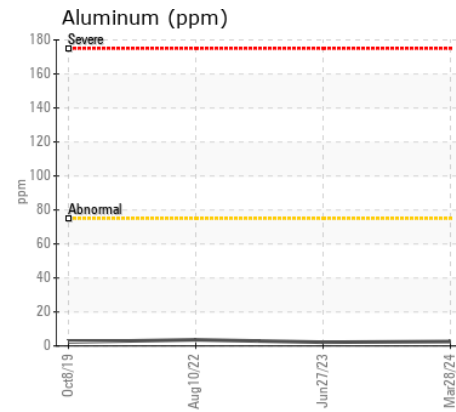
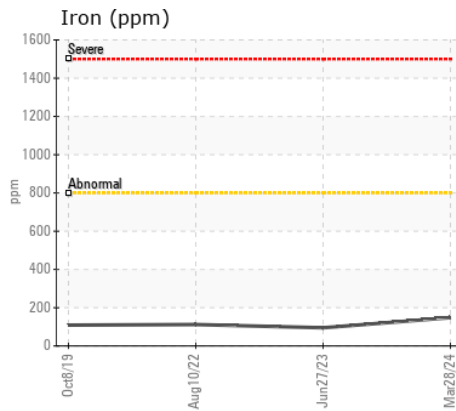
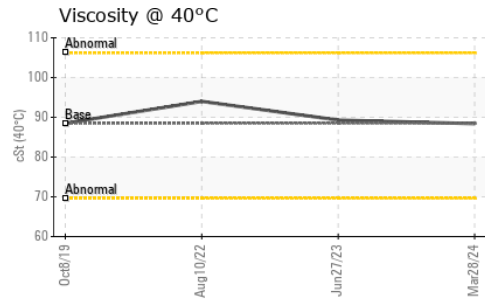
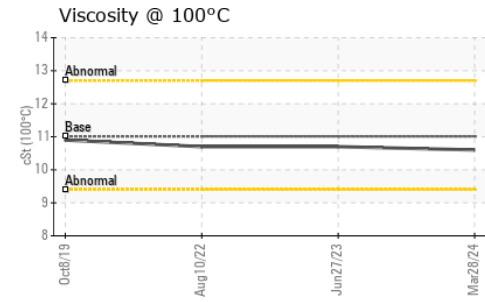
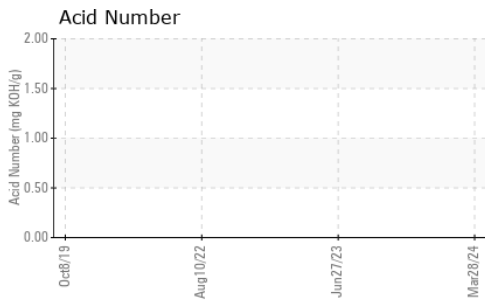
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>400	<b>17</b>	14	20
Potassium	ppm	ASTM D5185(m)	>20	<b>1</b>	<1	<1
Water		WC Method	>0.2	<b>NEG</b>	NEG	NEG
Silt	scalar	Visual*	NONE	<b>VLITE</b>	NONE	NONE
Debris	scalar	Visual*	NONE	<b>NONE</b>	VLITE	VLITE
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>	NEG	NEG

**FLUID CONDITION**

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185(m)		<b>2</b>	<1	2
Boron	ppm	ASTM D5185(m)	2	<b>2</b>	2	2
Barium	ppm	ASTM D5185(m)	0	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185(m)	0	<b>0</b>	<1	<1
Manganese	ppm	ASTM D5185(m)	9	<b>1</b>	<1	1
Magnesium	ppm	ASTM D5185(m)	1	<b>14</b>	12	16
Calcium	ppm	ASTM D5185(m)	3131	<b>3185</b>	3279	3215
Phosphorus	ppm	ASTM D5185(m)	1194	<b>944</b>	1022	1070
Zinc	ppm	ASTM D5185(m)	1281	<b>1072</b>	1128	1234
Sulfur	ppm	ASTM D5185(m)	3811	<b>3962</b>	3956	5335
Acid Number (AN)	mg KOH/g	ASTM D974*		<b>1.91</b>	---	---
Visc @ 40°C	cSt	ASTM D7279(m)	88.5	<b>88.4</b>	89.3	94.0
Visc @ 100°C	cSt	ASTM D7279(m)	11.01	<b>10.6</b>	10.7	10.7
Viscosity Index (VI)	Scale	ASTM D2270*	110	<b>102</b>	103	96



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : PC0078898 **Received** : 27 May 2024  
**Lab Number** : **02637738** **Tested** : 27 May 2024  
**Unique Number** : 5786900 **Diagnosed** : 27 May 2024 - Kevin Marson  
**Test Package** : MOB 2 ( Additional Tests: KV100, TAN Man, VI )

**TRUCK AND EQUIPMENT SOLUTION**  
 2 BERTRAM INDUSTRIAL PKWY.  
 MIDHURST, ON  
 CA L9X 1L2  
 Contact: Julie Holden  
 parts@tesbarrie.com  
 T: (705)792-7620  
 F: (705)725-5425

To discuss this sample report, contact Customer Service at 1-800-268-2131.  
 Test denoted (\*) outside scope of accreditation, (m) method modified, (e) tested at external lab.  
 Validity of results and interpretation are based on the sample and information as supplied.