



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
1417
Component
Rear Transmission (Auto)
Fluid
PETRO CANADA DuraDrive HD Synthetic 668 (24 LTR)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PC0078401	PC0061551	PC0052695
Sample Date		Client Info		22 May 2024	13 Jul 2023	29 Sep 2022
Machine Age	kms	Client Info		617009	565488	512485
Oil Age	kms	Client Info		51521	53003	49754
Filter Age	kms	Client Info		51521	53003	49754
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>230	40	52	33
Chromium	ppm	ASTM D5185(m)	>2	0	<1	0
Nickel	ppm	ASTM D5185(m)	>5	0	<1	0
Titanium	ppm	ASTM D5185(m)	>2	0	<1	0
Silver	ppm	ASTM D5185(m)	>5	0	0	0
Aluminum	ppm	ASTM D5185(m)	>65	18	21	8
Lead	ppm	ASTM D5185(m)	>55	3	2	<1
Copper	ppm	ASTM D5185(m)	>85	8	8	4
Tin	ppm	ASTM D5185(m)	>5	<1	1	<1
Vanadium	ppm	ASTM D5185(m)		0	0	0
White Metal	scalar	Visual*	NONE	NONE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	NONE

CONTAMINATION

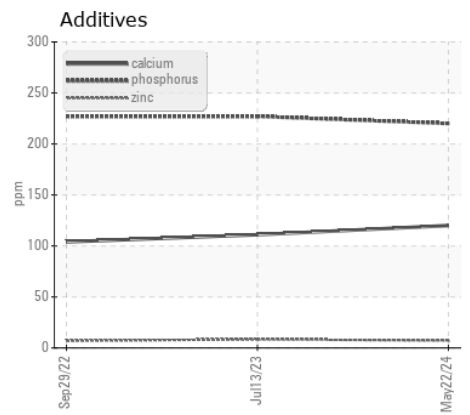
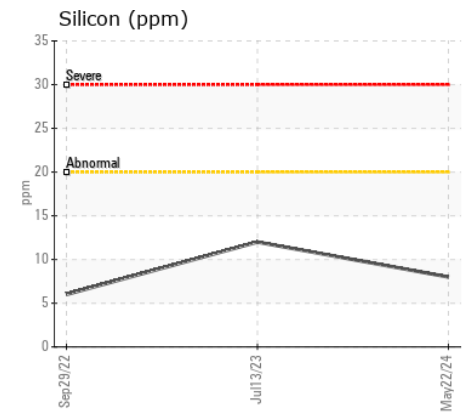
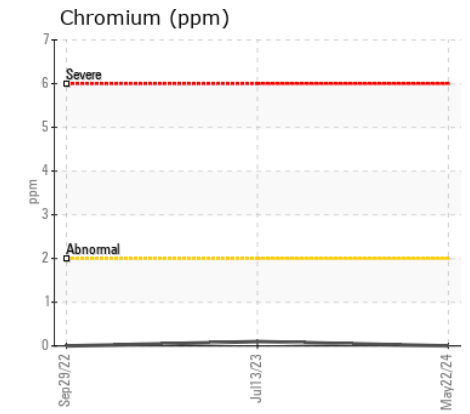
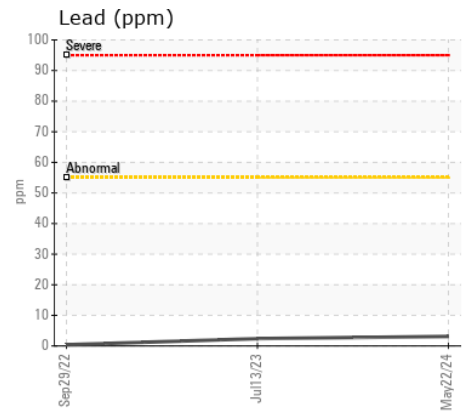
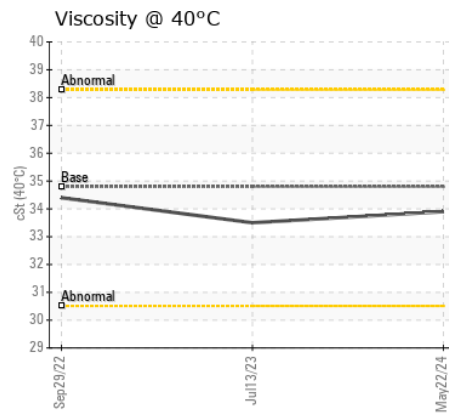
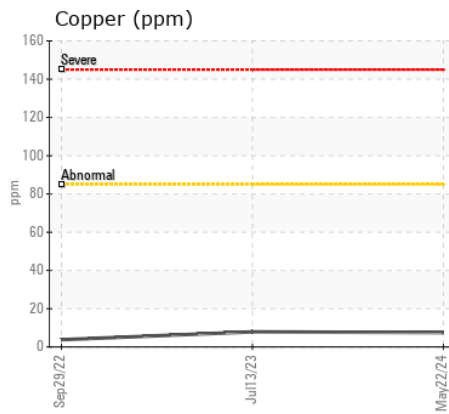
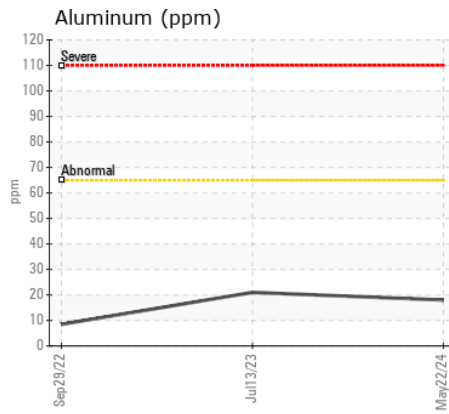
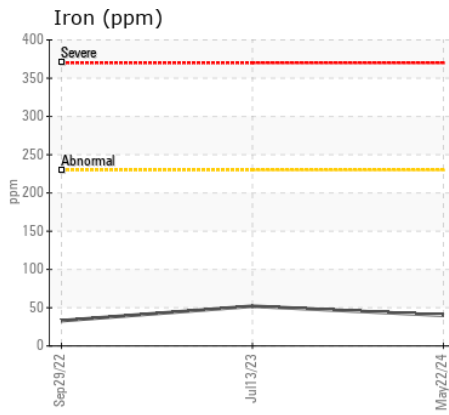
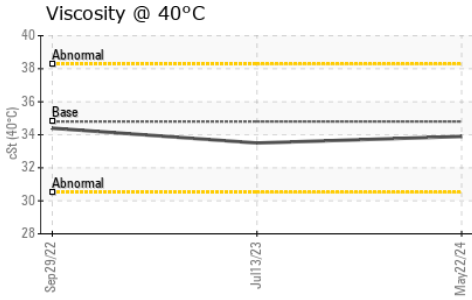
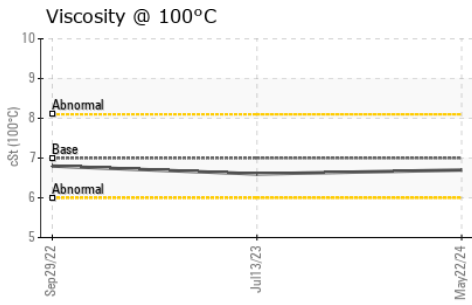
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185(m)	>20	8	12	6
Potassium	ppm	ASTM D5185(m)	>20	3	1	2
Water		WC Method	>0.1	NEG	NEG	NEG
Silt	scalar	Visual*	NONE	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	VLITE	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE	VLITE
Appearance	scalar	Visual*	NORML	NORML	NORML	NORML
Odor	scalar	Visual*	NORML	NORML	NORML	NORML
Emulsified Water	scalar	Visual*	>0.1	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185(m)		9	13	14
Boron	ppm	ASTM D5185(m)	78	61	58	65
Barium	ppm	ASTM D5185(m)		0	0	0
Molybdenum	ppm	ASTM D5185(m)	0	0	<1	<1
Manganese	ppm	ASTM D5185(m)		<1	<1	<1
Magnesium	ppm	ASTM D5185(m)	0	2	1	<1
Calcium	ppm	ASTM D5185(m)	113	120	111	104
Phosphorus	ppm	ASTM D5185(m)	222	220	227	227
Zinc	ppm	ASTM D5185(m)		7	8	7
Sulfur	ppm	ASTM D5185(m)	1326	1454	1640	1789
Visc @ 40°C	cSt	ASTM D7279(m)	34.8	33.9	33.5	34.4
Visc @ 100°C	cSt	ASTM D7279(m)	7.0	6.7	6.6	6.8
Viscosity Index (VI)	Scale	ASTM D2270*	167	158	156	160



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0078401 **Received** : 05 Jun 2024
Lab Number : 02639935 **Tested** : 06 Jun 2024
Unique Number : 5789097 **Diagnosed** : 06 Jun 2024 - Wes Davis
Test Package : MOB 1 (Additional Tests: KV100, VI)

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.

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