



Machine Id
831051
Component
Transmission (Auto)
Fluid
PETRO CANADA DuraDrive HD Synthetic 668 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		GFL0112413	GFL0070723	GFL0060200
Sample Date		Client Info		14 Feb 2024	23 Feb 2023	13 Oct 2022
Machine Age	hrs	Client Info		3216	1723	1067
Oil Age	hrs	Client Info		1495	648	1067
Filter Age	hrs	Client Info		1495	648	1067
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.

PQ		ASTM D8184*	>75	0	0	0
Iron	ppm	ASTM D5185(m)	>220	77	68	64
Chromium	ppm	ASTM D5185(m)	>2	<1	<1	<1
Nickel	ppm	ASTM D5185(m)	>5	<1	<1	1
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)	>5	0	0	0
Aluminum	ppm	ASTM D5185(m)	>75	26	21	13
Lead	ppm	ASTM D5185(m)	>95	10	11	11
Copper	ppm	ASTM D5185(m)	>60	22	23	24
Tin	ppm	ASTM D5185(m)	>10	3	2	2
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

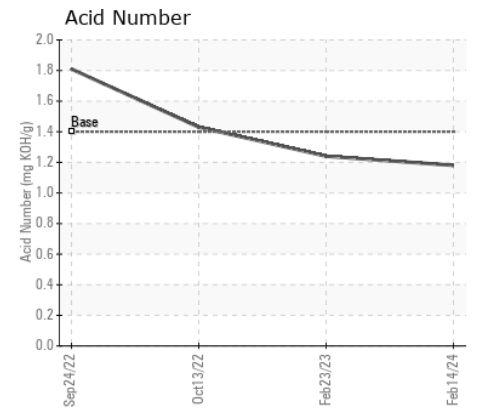
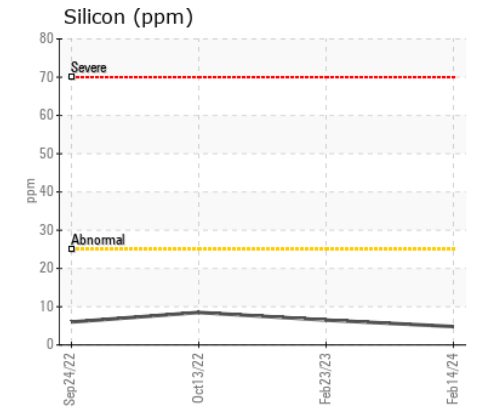
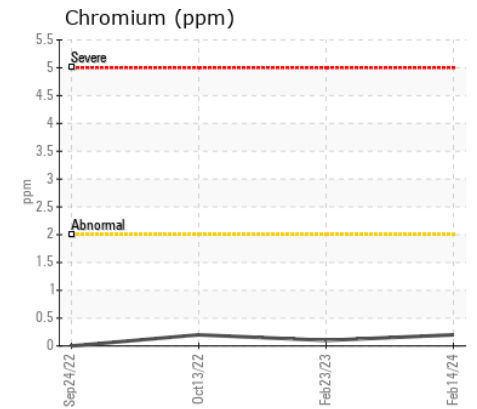
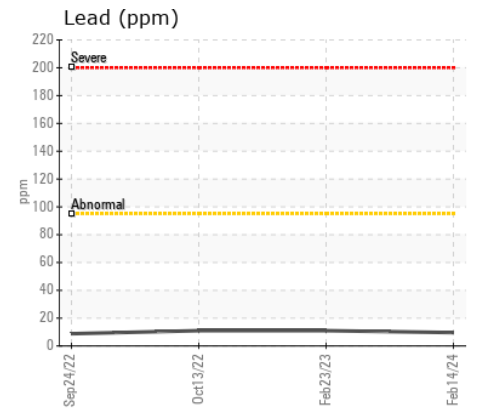
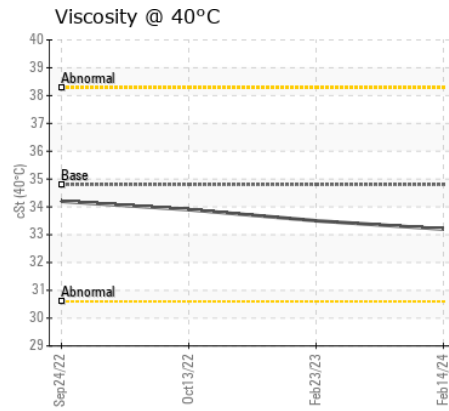
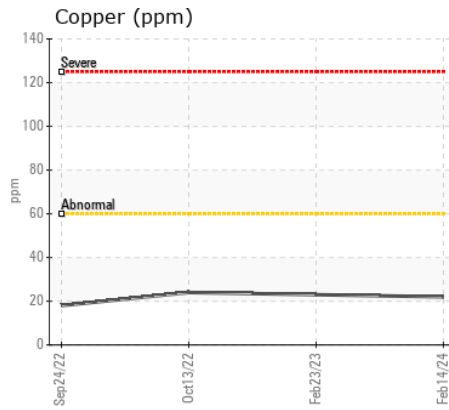
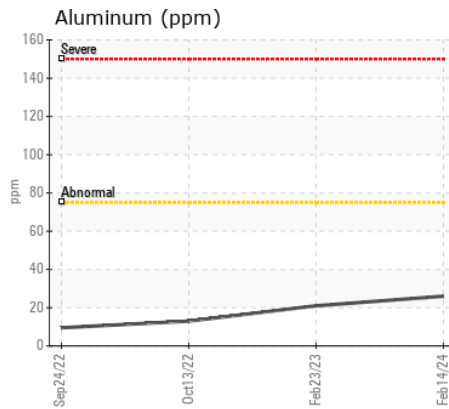
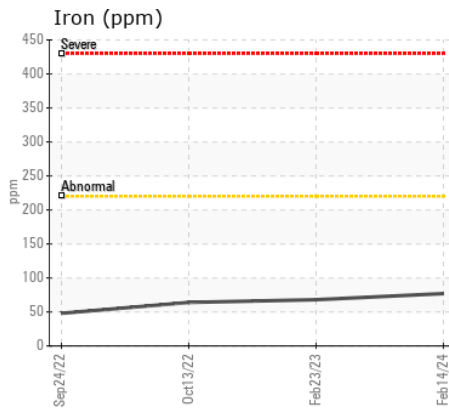
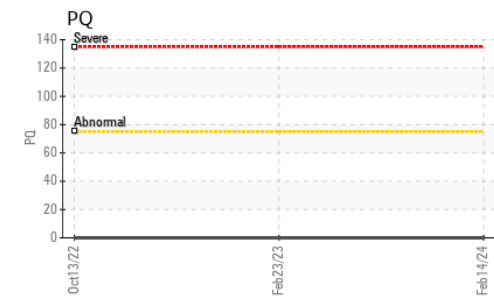
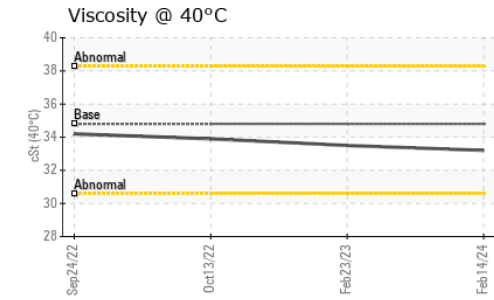
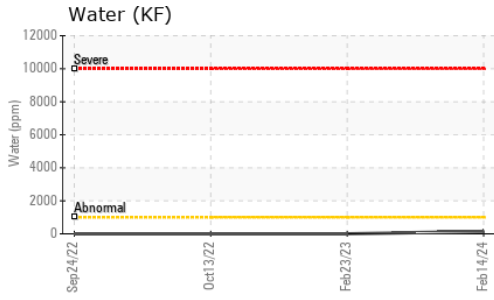
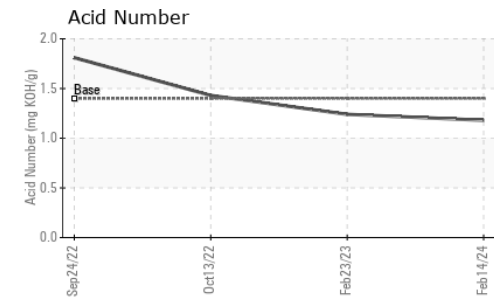
The water content is negligible. There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185(m)	>25	5	6	8
Potassium	ppm	ASTM D5185(m)	>20	3	3	4
Water	%	ASTM D6304*	>0.1	0.014	---	---
ppm Water	ppm	ASTM D6304*	>1000	146	---	---
Silt	scalar	Visual*	NONE	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE	NONE
Appearance	scalar	Visual*	NORML	NORML	NORML	NORML
Odor	scalar	Visual*	NORML	NORML	NORML	NORML
Emulsified Water	scalar	Visual*	>0.1	.2%	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185(m)		9	11	12
Boron	ppm	ASTM D5185(m)	78	92	116	131
Barium	ppm	ASTM D5185(m)		<1	<1	1
Molybdenum	ppm	ASTM D5185(m)	0	<1	1	1
Manganese	ppm	ASTM D5185(m)		1	2	3
Magnesium	ppm	ASTM D5185(m)	0	2	1	2
Calcium	ppm	ASTM D5185(m)	113	134	148	160
Phosphorus	ppm	ASTM D5185(m)	222	285	368	399
Zinc	ppm	ASTM D5185(m)		33	33	45
Sulfur	ppm	ASTM D5185(m)	1326	1793	2039	2087
Acid Number (AN)	mg KOH/g	ASTM D974*	1.4	1.18	1.24	1.43
Visc @ 40°C	cSt	ASTM D7279(m)	34.8	33.2	33.5	33.9



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : GFL0112413 **Received** : 21 Feb 2024
Lab Number : 02617162 **Tested** : 23 Feb 2024
Unique Number : 5734272 **Diagnosed** : 23 Feb 2024 - Wes Davis
Test Package : MOB 2 (Additional Tests: KF, PQ)

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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.