



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
1630
 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		PC0080278	PC0052608	PC0025025
Sample Date		Client Info		09 Jan 2024	25 Feb 2023	29 Mar 2022
Machine Age	kms	Client Info		475601	423775	371595
Oil Age	kms	Client Info		51826	52180	51876
Filter Age	kms	Client Info		51826	52180	51876
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	ATTENTION	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184*	>150	0	0	---
Iron	ppm	ASTM D5185(m)	>325	41	168	22
Chromium	ppm	ASTM D5185(m)	>2	0	<1	0
Nickel	ppm	ASTM D5185(m)	>2	<1	1	<1
Titanium	ppm	ASTM D5185(m)	>3	0	0	0
Silver	ppm	ASTM D5185(m)	>5	0	0	0
Aluminum	ppm	ASTM D5185(m)	>75	6	4	6
Lead	ppm	ASTM D5185(m)	>40	5	11	<1
Copper	ppm	ASTM D5185(m)	>50	23	27	6
Tin	ppm	ASTM D5185(m)	>10	0	1	<1
Vanadium	ppm	ASTM D5185(m)		0	0	0
White Metal	scalar	Visual*	NONE	VLITE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	NONE

CONTAMINATION

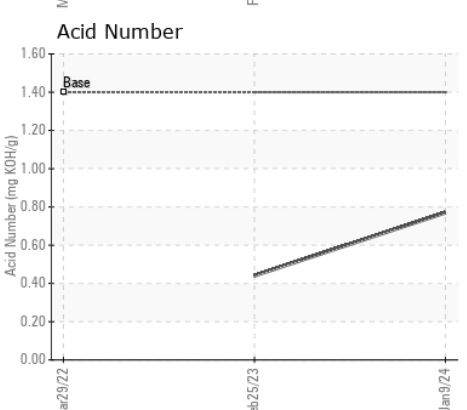
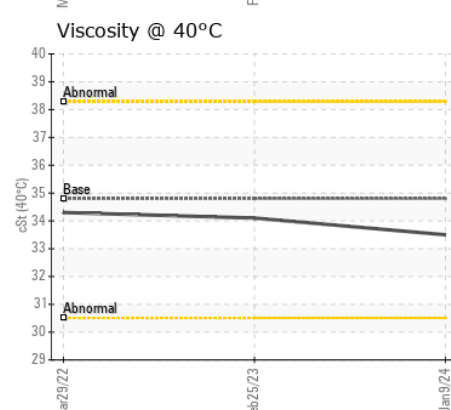
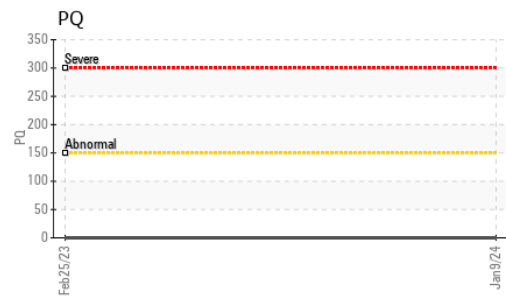
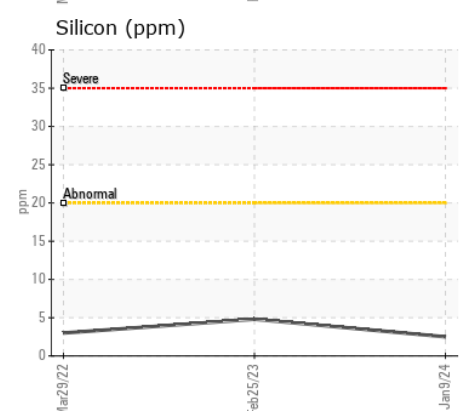
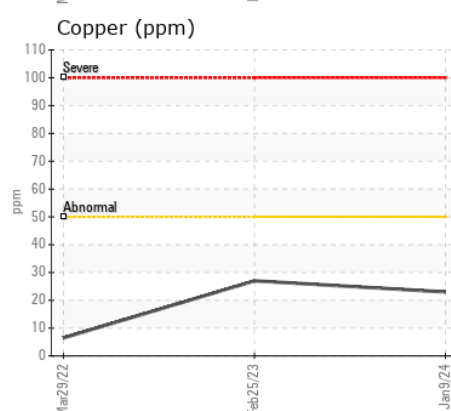
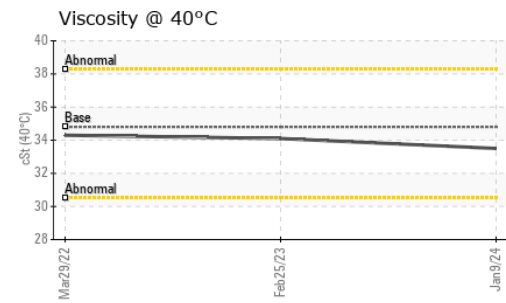
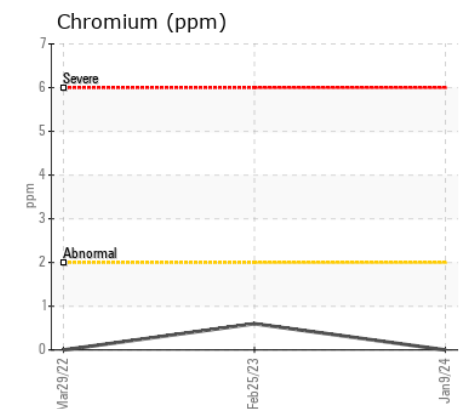
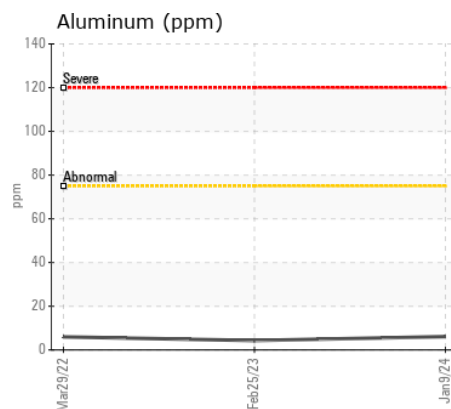
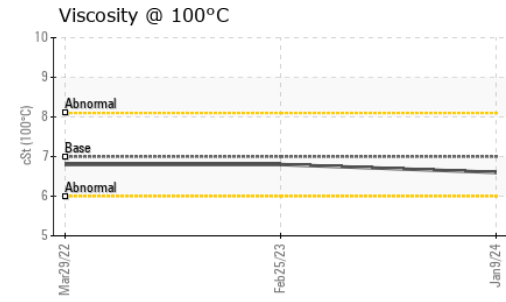
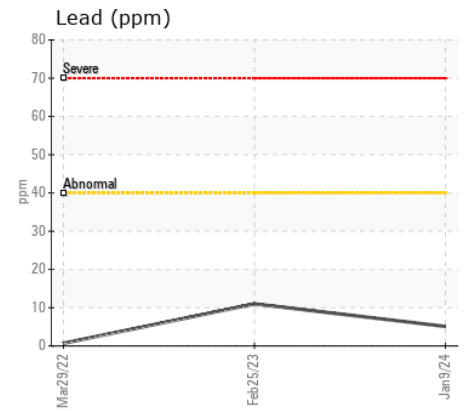
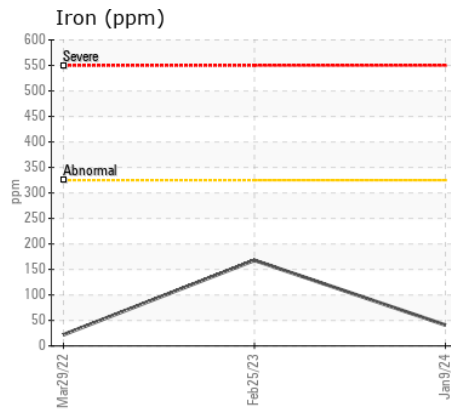
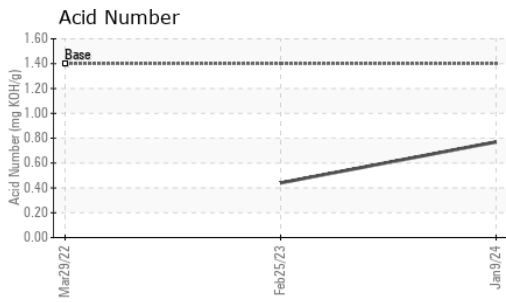
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185(m)	>20	2	5	3
Potassium	ppm	ASTM D5185(m)	>20	1	2	2
Water		WC Method	>0.1	NEG	NEG	NEG
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	NEG	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)		34	▲ 102	65
Boron	ppm	ASTM D5185(m)	78	24	19	27
Barium	ppm	ASTM D5185(m)		0	0	0
Molybdenum	ppm	ASTM D5185(m)	0	0	1	4
Manganese	ppm	ASTM D5185(m)		0	1	<1
Magnesium	ppm	ASTM D5185(m)	0	1	<1	<1
Calcium	ppm	ASTM D5185(m)	113	116	91	86
Phosphorus	ppm	ASTM D5185(m)	222	196	177	207
Zinc	ppm	ASTM D5185(m)		14	46	7
Sulfur	ppm	ASTM D5185(m)	1326	1507	1523	1995
Acid Number (AN)	mg KOH/g	ASTM D974*	1.4	0.77	0.44	---
Visc @ 40°C	cSt	ASTM D7279(m)	34.8	33.5	34.1	34.3
Visc @ 100°C	cSt	ASTM D7279(m)	7.0	6.6	6.8	6.8
Viscosity Index (VI)	Scale	ASTM D2270*	167	156	162	161



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0080278 **Received** : 10 Jan 2024
Lab Number : 02607898 **Diagnosed** : 12 Jan 2024
Unique Number : 5708984 **Diagnostician** : Wes Davis
Test Package : MOB 2 (Additional Tests: KV100, PQ, 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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