

Machine Id
1520
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		PC0080272	PC0052607	PC0052084
Sample Date		Client Info		09 Jan 2024	22 Feb 2023	09 Jan 2022
Machine Age	kms	Client Info		548073	495250	437054
Oil Age	kms	Client Info		51879	57896	49745
Filter Age	kms	Client Info		51879	57896	49745
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*	>50	0	0	0
Iron	ppm	ASTM D5185(m)	>160	70	41	125
Chromium	ppm	ASTM D5185(m)	>5	0	0	<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	<1
Aluminum	ppm	ASTM D5185(m)	>50	36	19	22
Lead	ppm	ASTM D5185(m)	>50	6	6	1
Copper	ppm	ASTM D5185(m)	>225	13	11	12
Tin	ppm	ASTM D5185(m)	>10	5	3	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

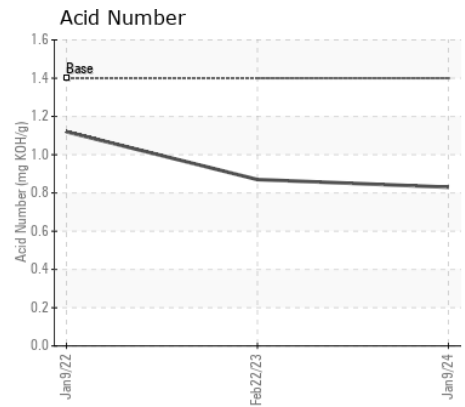
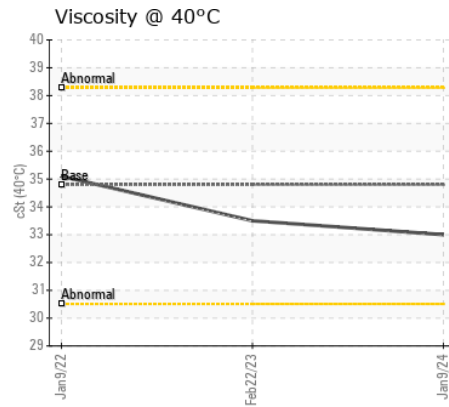
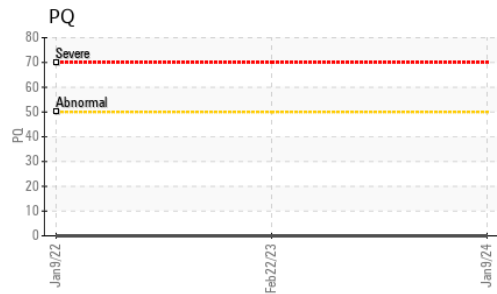
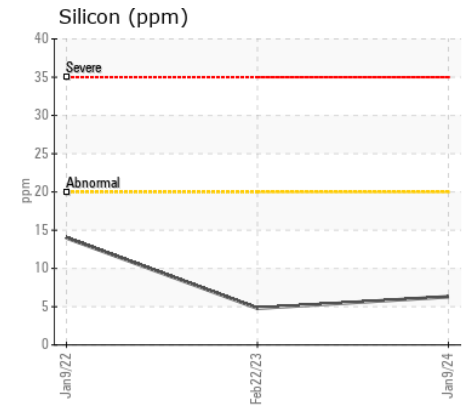
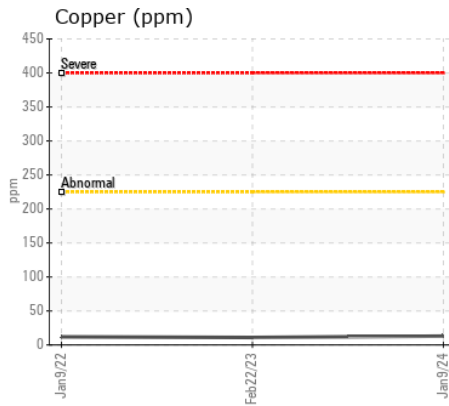
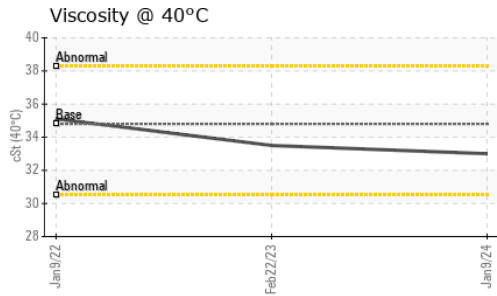
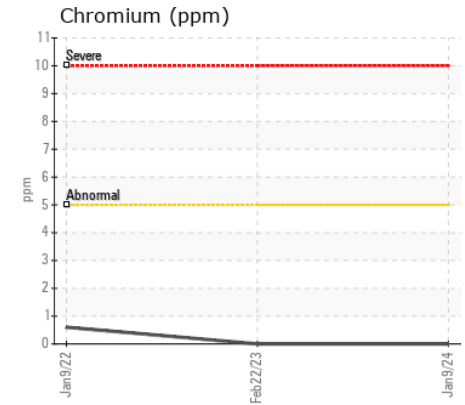
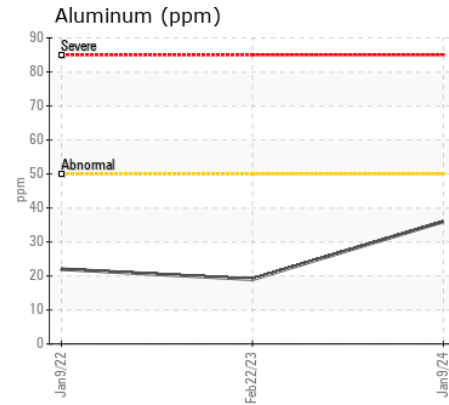
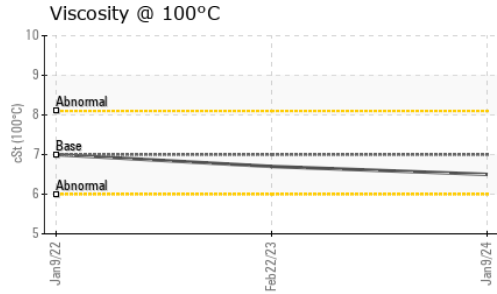
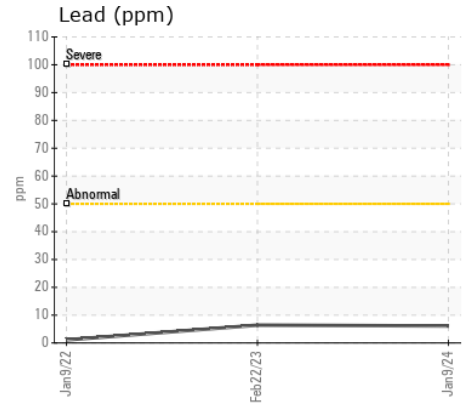
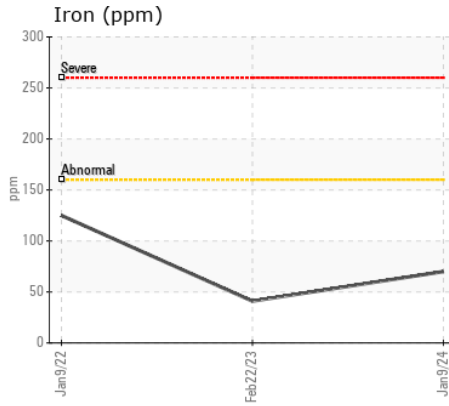
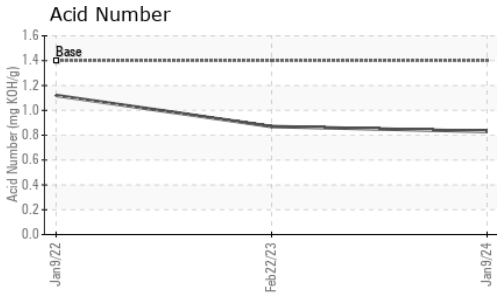
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185(m)	>20	6	5	14
Potassium	ppm	ASTM D5185(m)	>20	2	3	2
Water		WC Method	>0.1	NEG	NEG	NEG
Silt	scalar	Visual*	NONE	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	NONE	VLITE
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)		7	8	6
Boron	ppm	ASTM D5185(m)	78	42	38	82
Barium	ppm	ASTM D5185(m)		0	0	0
Molybdenum	ppm	ASTM D5185(m)	0	<1	1	<1
Manganese	ppm	ASTM D5185(m)		<1	1	<1
Magnesium	ppm	ASTM D5185(m)	0	4	6	<1
Calcium	ppm	ASTM D5185(m)	113	124	133	18
Phosphorus	ppm	ASTM D5185(m)	222	210	229	216
Zinc	ppm	ASTM D5185(m)		11	16	8
Sulfur	ppm	ASTM D5185(m)	1326	1528	1560	2811
Acid Number (AN)	mg KOH/g	ASTM D974*	1.4	0.83	0.87	1.12
Visc @ 40°C	cSt	ASTM D7279(m)	34.8	33.0	33.5	35.1
Visc @ 100°C	cSt	ASTM D7279(m)	7.0	6.5	6.7	7
Viscosity Index (VI)	Scale	ASTM D2270*	167	154	161	165



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0080272 **Received** : 10 Jan 2024
Lab Number : 02607897 **Diagnosed** : 12 Jan 2024
Unique Number : 5708983 **Diagnostician** : Kevin Marson
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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