



WEAR	ABNORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id

0860

Component

Transmission (Auto)

Fluid

PETRO CANADA DURADRIVE HD SYNTHETIC ATF (24 LTR)

RECOMMENDATION

The fluid change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PC0082738	PC0061460	PC0052688
Sample Date		Client Info		05 Feb 2024	02 May 2023	25 Jul 2022
Machine Age	kms	Client Info		906307	851404	799912
Oil Age	kms	Client Info		54770	51492	55120
Filter Age	kms	Client Info		54770	51492	55120
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				ABNORMAL	NORMAL	NORMAL

WEAR

Tin ppm levels are abnormal. Bearing wear is indicated.

Iron	ppm	ASTM D5185(m)	>230	59	52	47
Chromium	ppm	ASTM D5185(m)	>2	0	<1	0
Nickel	ppm	ASTM D5185(m)	>5	0	<1	<1
Titanium	ppm	ASTM D5185(m)	>2	0	0	0
Silver	ppm	ASTM D5185(m)	>5	0	0	0
Aluminum	ppm	ASTM D5185(m)	>65	40	28	28
Lead	ppm	ASTM D5185(m)	>55	12	10	6
Copper	ppm	ASTM D5185(m)	>85	15	10	9
Tin	ppm	ASTM D5185(m)	>5	▲ 6	3	3
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.

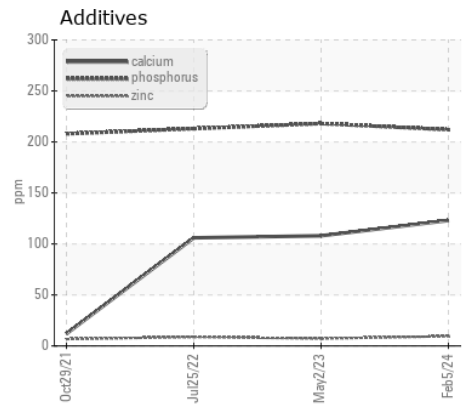
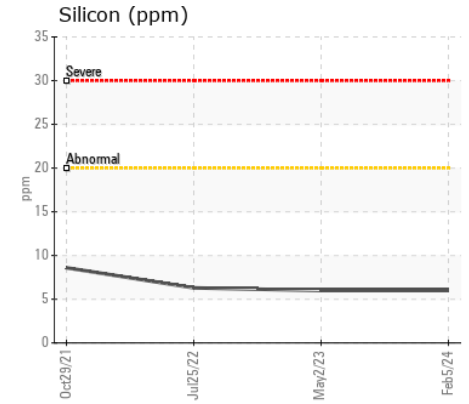
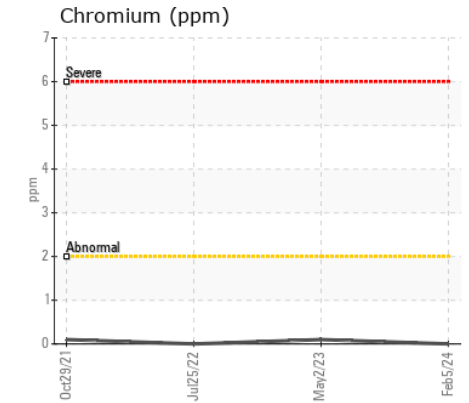
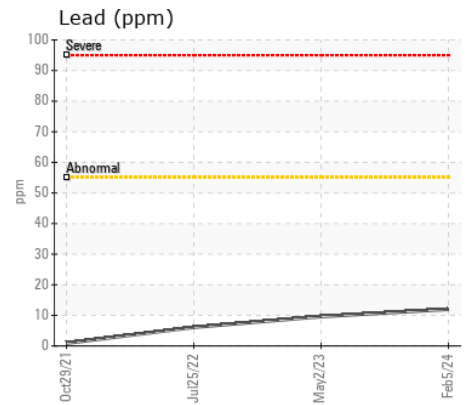
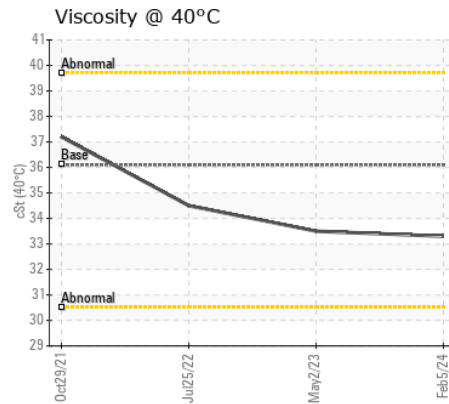
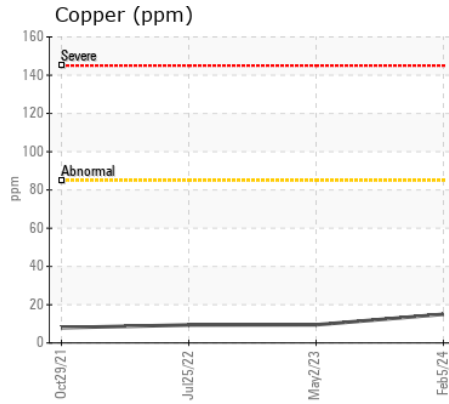
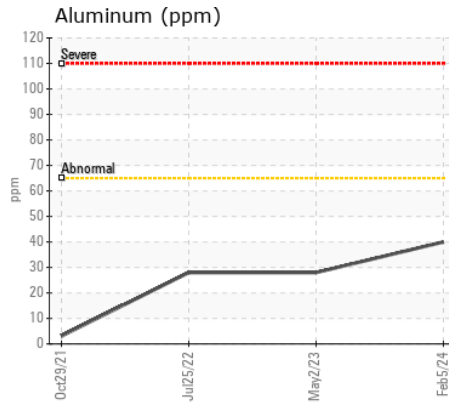
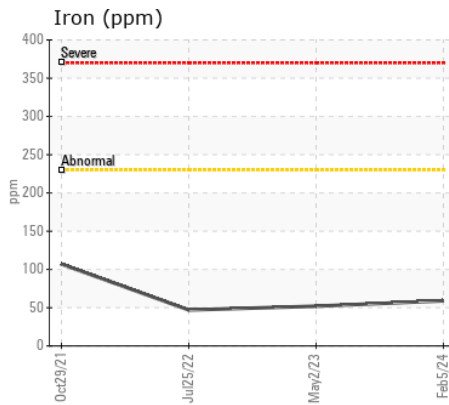
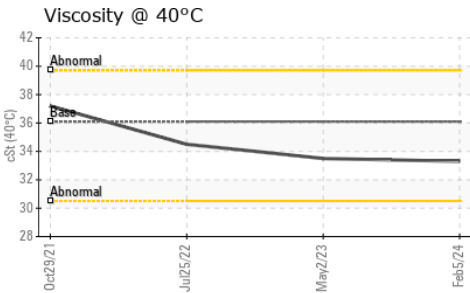
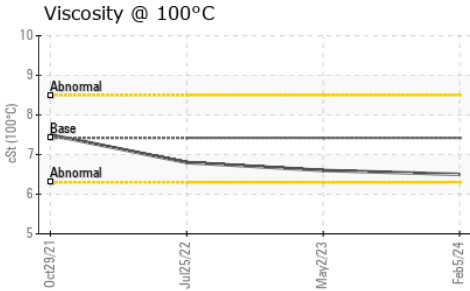
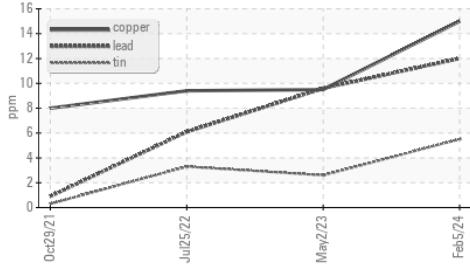
Silicon	ppm	ASTM D5185(m)	>20	6	6	6
Potassium	ppm	ASTM D5185(m)	>20	3	3	3
Water		WC Method	>0.1	NEG	NEG	NEG
Silt	scalar	Visual*	NONE	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE	NONE
Appearance	scalar	Visual*	NORML	NORML	NORML	NORML
Odor	scalar	Visual*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

FLUID CONDITION

The fluid is no longer serviceable as a result of the abnormal and/or severe wear.

Sodium	ppm	ASTM D5185(m)		19	11	8
Boron	ppm	ASTM D5185(m)		45	51	62
Barium	ppm	ASTM D5185(m)		0	0	0
Molybdenum	ppm	ASTM D5185(m)		<1	<1	<1
Manganese	ppm	ASTM D5185(m)		0	<1	<1
Magnesium	ppm	ASTM D5185(m)		3	2	2
Calcium	ppm	ASTM D5185(m)		123	108	106
Phosphorus	ppm	ASTM D5185(m)		212	218	213
Zinc	ppm	ASTM D5185(m)		10	7	9
Sulfur	ppm	ASTM D5185(m)		1438	1302	1178
Visc @ 40°C	cSt	ASTM D7279(m)	36.1	33.3	33.5	34.5
Visc @ 100°C	cSt	ASTM D7279(m)	7.42	6.5	6.6	6.8
Viscosity Index (VI)	Scale	ASTM D2270*	178	152	156	159

▲ Non-ferrous Metals



ISO 17025:2017
Accredited
Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0082738 **Received** : 23 Feb 2024
Lab Number : 02617697 **Tested** : 23 Feb 2024
Unique Number : 5734807 **Diagnosed** : 23 Feb 2024 - Kevin Marson
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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