



OIL ANALYSIS REPORT

WEAR	ABNORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
801074

Component
Transmission (Auto)

Fluid
PETRO CANADA DuraDrive HD Synthetic 668 (--- GAL)

RECOMMENDATION

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

WEAR

Aluminum and iron ppm levels are abnormal. Torque converter wear is indicated. The low ferrous density (PQ) index indicates the wear metal levels are due to corrosion.

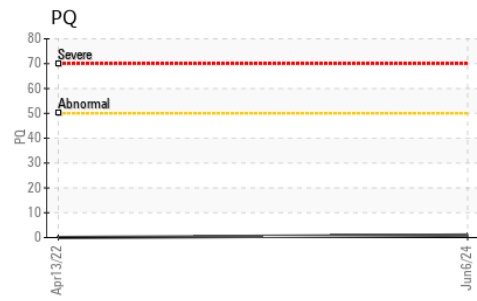
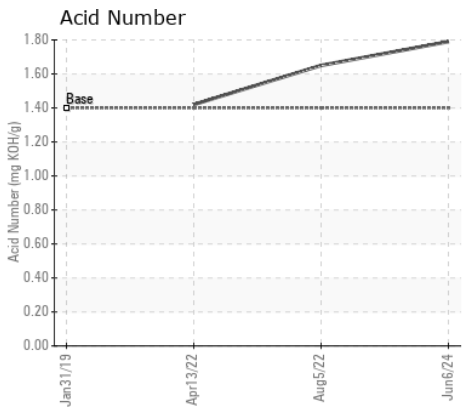
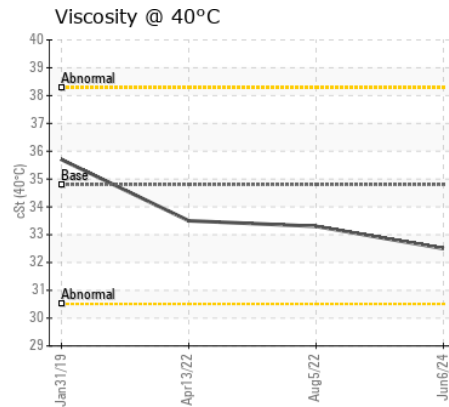
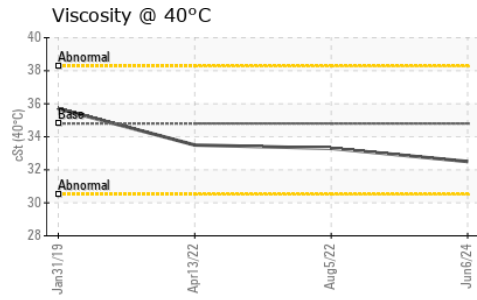
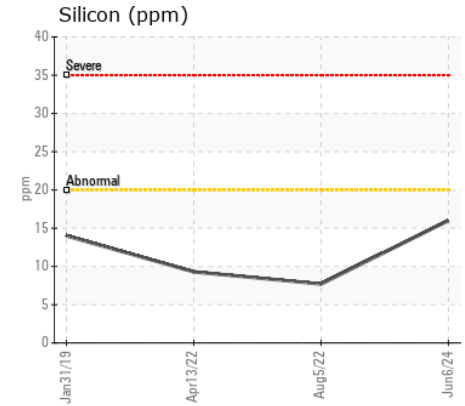
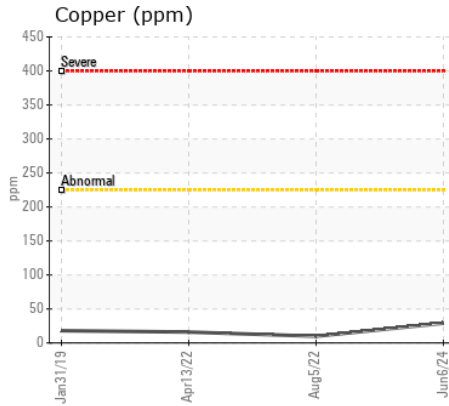
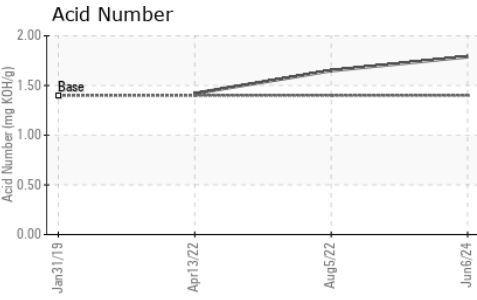
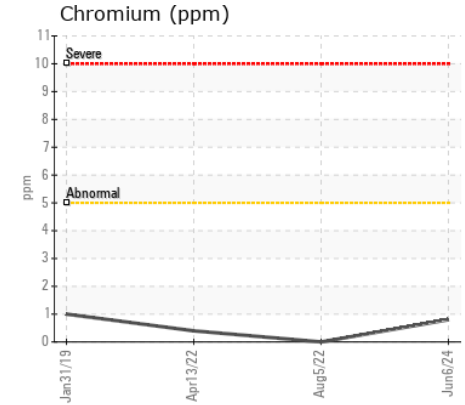
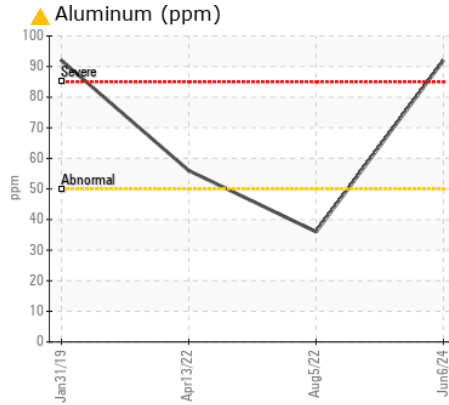
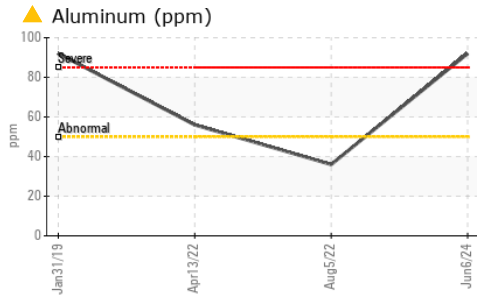
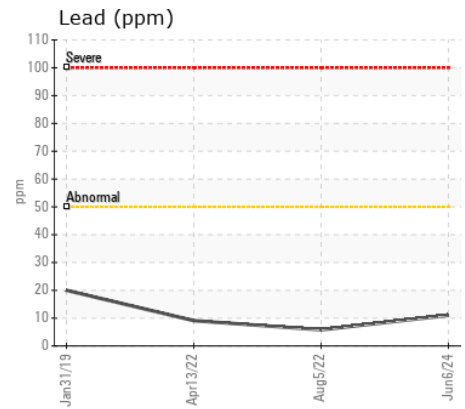
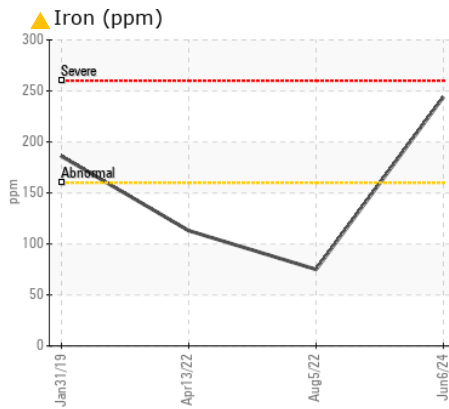
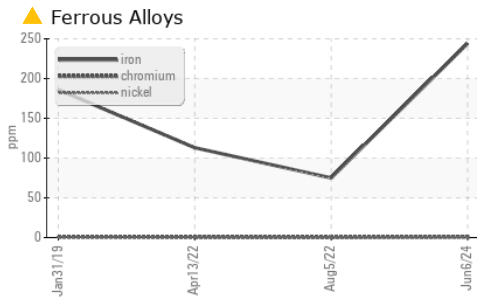
CONTAMINATION

There is no indication of any contamination in the fluid.

FLUID CONDITION

The AN level is acceptable for this fluid. The fluid is no longer serviceable as a result of the abnormal and/or severe wear.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		GFL0117264	GFL0057781	GFL0049107
Sample Date		Client Info		06 Jun 2024	05 Aug 2022	13 Apr 2022
Machine Age	hrs	Client Info		0	550	10293
Oil Age	hrs	Client Info		0	0	4069
Filter Age	hrs	Client Info		0	0	1274
Oil Changed		Client Info		Changed	Changed	N/A
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				ABNORMAL	NORMAL	NORMAL
PQ		ASTM D8184*	>50	1	---	0
Iron	ppm	ASTM D5185(m)	>160	▲ 244	75	113
Chromium	ppm	ASTM D5185(m)	>5	<1	0	<1
Nickel	ppm	ASTM D5185(m)	>5	0	<1	<1
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)	>5	0	0	0
Aluminum	ppm	ASTM D5185(m)	>50	▲ 92	36	56
Lead	ppm	ASTM D5185(m)	>50	11	6	9
Copper	ppm	ASTM D5185(m)	>225	29	10	16
Tin	ppm	ASTM D5185(m)	>10	6	1	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
Silicon	ppm	ASTM D5185(m)	>20	16	8	9
Potassium	ppm	ASTM D5185(m)	>20	3	2	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	VLITE	NONE
Appearance	scalar	Visual*	NORML	NORML	NORML	NORML
Odor	scalar	Visual*	NORML	NORML	NORML	NORML
Emulsified Water	scalar	Visual*	>0.1	NEG	NEG	NEG
Sodium	ppm	ASTM D5185(m)		11	6	8
Boron	ppm	ASTM D5185(m)	78	76	115	148
Barium	ppm	ASTM D5185(m)		<1	0	0
Molybdenum	ppm	ASTM D5185(m)	0	0	<1	<1
Manganese	ppm	ASTM D5185(m)		2	1	1
Magnesium	ppm	ASTM D5185(m)	0	2	4	<1
Calcium	ppm	ASTM D5185(m)	113	130	133	128
Phosphorus	ppm	ASTM D5185(m)	222	258	295	379
Zinc	ppm	ASTM D5185(m)		16	8	8
Sulfur	ppm	ASTM D5185(m)	1326	1413	1783	2031
Acid Number (AN)	mg KOH/g	ASTM D974*	1.4	1.79	1.65	1.42
Visc @ 40°C	cSt	ASTM D7279(m)	34.8	32.5	33.3	33.5



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : GFL0117264
Lab Number : 02641189
Unique Number : 5798728
Test Package : MOB 2 (Additional Tests: PQ, TAN Man)

GFL Environmental - 550 - Rocky View County
 220 Carmek Blvd
 Rocky View County, AB
 CA T1X 1X1
 Contact: GFL Calgary
 calgarymaintenance@gflenv.com

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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