

Machine Id
930020
Component
Transmission (Auto)
Fluid
PETRO CANADA DuraDrive HD Synthetic 668 (--- GAL)

RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		GFL0117263	GFL0057852	GFL0049133
Sample Date		Client Info		11 Jun 2024	22 Sep 2022	27 Apr 2022
Machine Age	hrs	Client Info		6765	2318	1242
Oil Age	hrs	Client Info		299	1087	1242
Filter Age	hrs	Client Info		299	1087	1242
Oil Changed		Client Info		Changed	Changed	N/A
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	ABNORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184*	>50	2	---	---
Iron	ppm	ASTM D5185(m)	>160	145	110	80
Chromium	ppm	ASTM D5185(m)	>5	<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)	>50	33	▲ 66	13
Lead	ppm	ASTM D5185(m)	>50	8	12	9
Copper	ppm	ASTM D5185(m)	>225	33	19	12
Tin	ppm	ASTM D5185(m)	>10	3	3	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

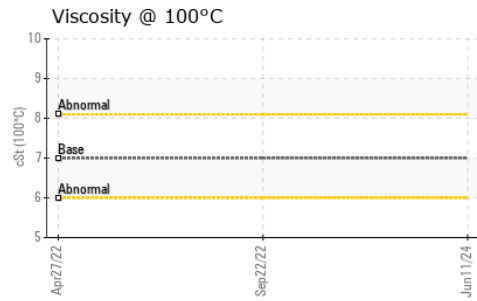
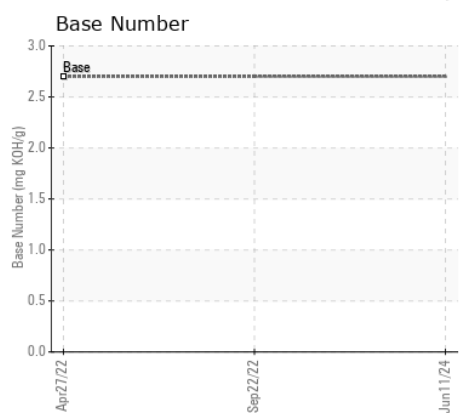
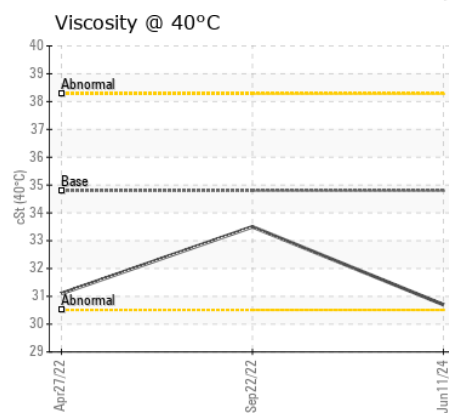
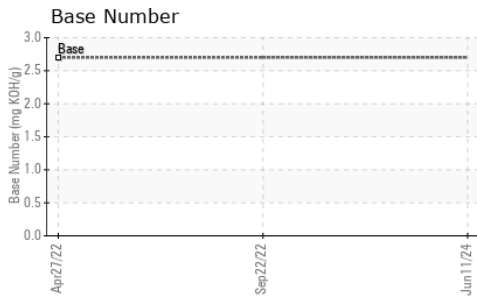
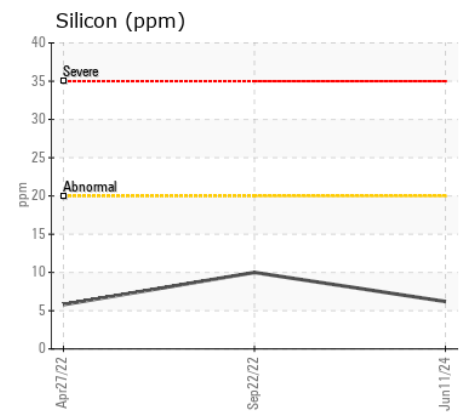
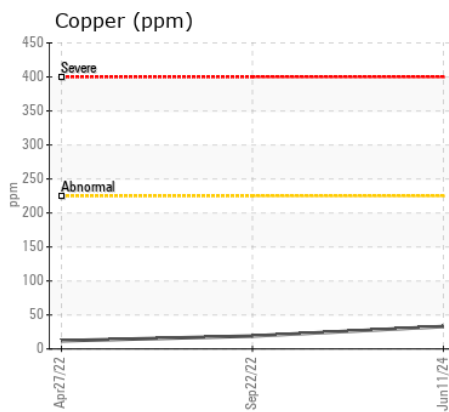
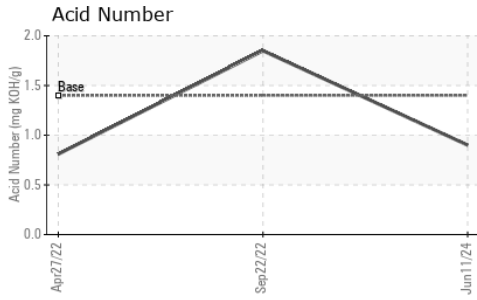
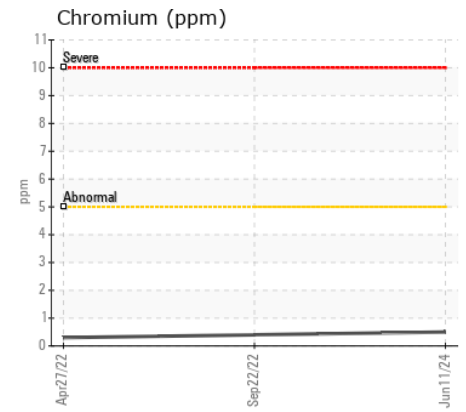
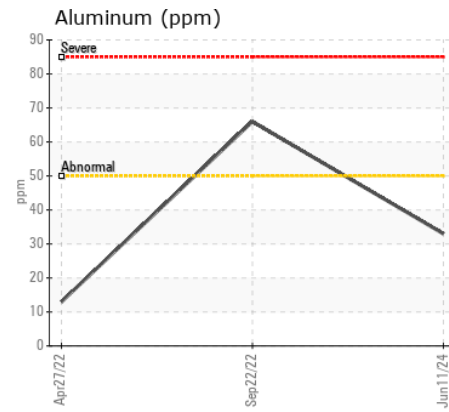
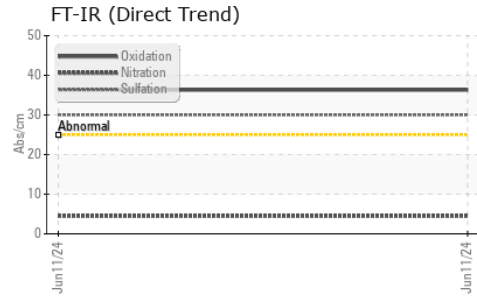
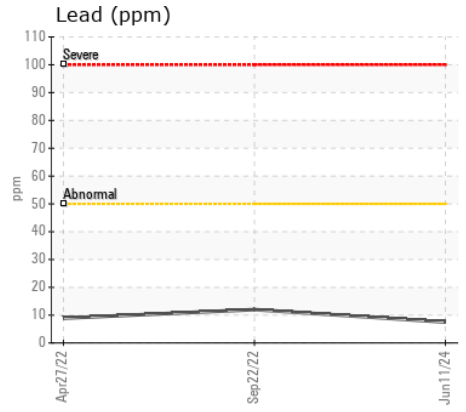
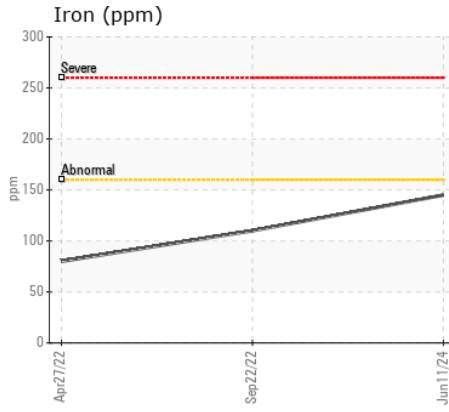
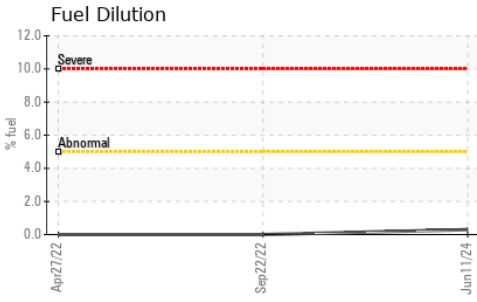
Fuel content negligible. There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185(m)	>20	6	10	6
Potassium	ppm	ASTM D5185(m)	>20	2	2	4
Fuel	%	ASTM D7593*		0.3	---	---
Water		WC Method	>0.1	NEG	NEG	NEG
Soot %	%	ASTM D7844*		0	---	---
Nitration	Abs/cm	ASTM D7624*		4.5	---	---
Sulfation	Abs/.1mm	ASTM D7415*		30.0	---	---
Silt	scalar	Visual*	NONE	NONE	NONE	VLITE
Debris	scalar	Visual*	NONE	NONE	VLITE	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 BN result indicates that there is suitable alkalinity remaining in the fluid. The AN level is acceptable for this fluid. The condition of the fluid is suitable for further service.

Sodium	ppm	ASTM D5185(m)		6	8	5
Boron	ppm	ASTM D5185(m)	78	66	101	89
Barium	ppm	ASTM D5185(m)		<1	0	<1
Molybdenum	ppm	ASTM D5185(m)	0	2	<1	4
Manganese	ppm	ASTM D5185(m)		2	1	2
Magnesium	ppm	ASTM D5185(m)	0	16	2	28
Calcium	ppm	ASTM D5185(m)	113	113	134	93
Phosphorus	ppm	ASTM D5185(m)	222	233	302	266
Zinc	ppm	ASTM D5185(m)		26	9	38
Sulfur	ppm	ASTM D5185(m)	1326	1040	1697	639
Oxidation	Abs/.1mm	ASTM D7414*		36.3	---	---
Acid Number (AN)	mg KOH/g	ASTM D974*	1.4	0.90	1.85	0.81
Base Number (BN)	mg KOH/g	ASTM D2896*	2.7	1.53	---	---
Visc @ 40°C	cSt	ASTM D7279(m)	34.8	30.7	33.5	31.1
Visc @ 100°C	cSt	ASTM D7279(m)	7.0	6.0	---	---
Viscosity Index (VI)	Scale	ASTM D2270*	167	145	---	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 **GFL Environmental - 550 - Rocky View County**
Sample No. : GFL0117263 **Received** : 17 Jun 2024 **220 Carmek Blvd**
Lab Number : 02642291 **Tested** : 20 Jun 2024 **Rocky View County, AB**
Unique Number : 5799830 **Diagnosed** : 20 Jun 2024 - Wes Davis **CA T1X 1X1**
Test Package : MOB 2 (Additional Tests: FT-IR, FuelDilution, KV100, PercentFuel, PQ, TAN Man, TBN, Viscosity) **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.

F: (403)369-6163