



Machine Id
8264
Component
Front Transmission (Auto)
Fluid
PETRO CANADA DURADRIIVE HD SYNTHETIC ATF (26 LTR)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		GFL0117300	PC398339	---
Sample Date		Client Info		20 Apr 2024	07 Nov 2016	---
Machine Age	hrs	Client Info		330729	1273	---
Oil Age	hrs	Client Info		0	1273	---
Filter Age	hrs	Client Info		0	1273	---
Oil Changed		Client Info		Changed	Not Changd	---
Filter Changed		Client Info		Changed	Not Changd	---
Sample Status				NORMAL	NORMAL	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>230	73	88	---
Chromium	ppm	ASTM D5185(m)	>2	0	<1	---
Nickel	ppm	ASTM D5185(m)	>5	0	<1	---
Titanium	ppm	ASTM D5185(m)	>2	0	0	---
Silver	ppm	ASTM D5185(m)	>5	0	0	---
Aluminum	ppm	ASTM D5185(m)	>65	24	27	---
Lead	ppm	ASTM D5185(m)	>55	2	11	---
Copper	ppm	ASTM D5185(m)	>85	7	15	---
Tin	ppm	ASTM D5185(m)	>5	1	1	---
Vanadium	ppm	ASTM D5185(m)		0	0	---
White Metal	scalar	Visual*	NONE	NONE	LIGHT	---
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	---

CONTAMINATION

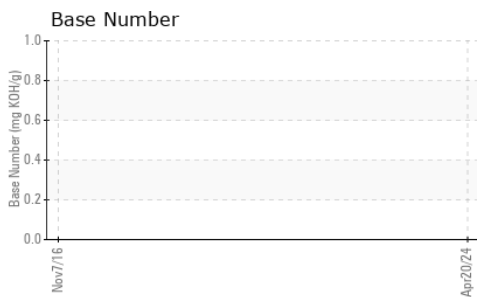
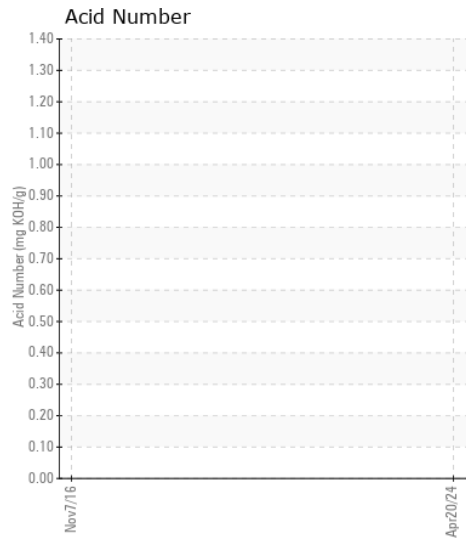
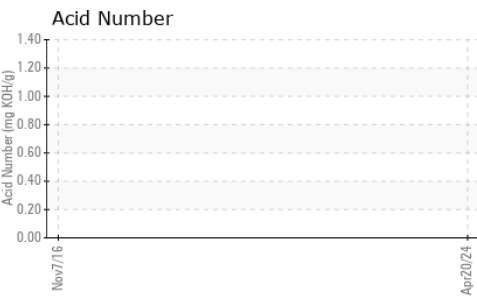
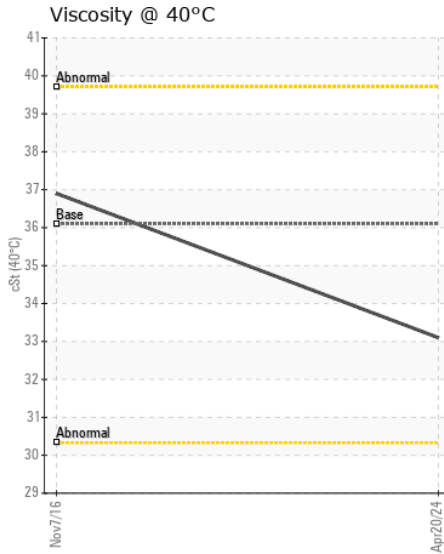
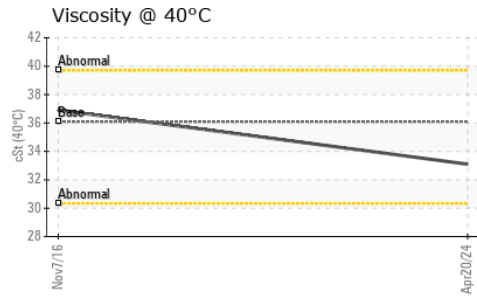
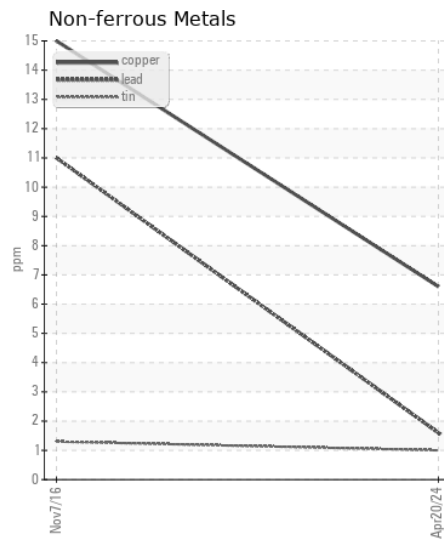
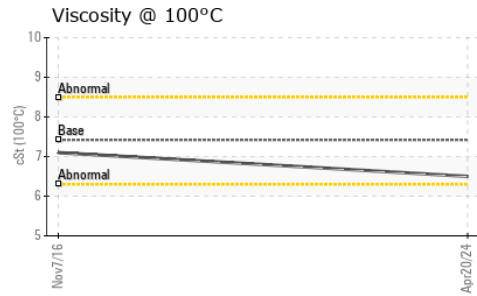
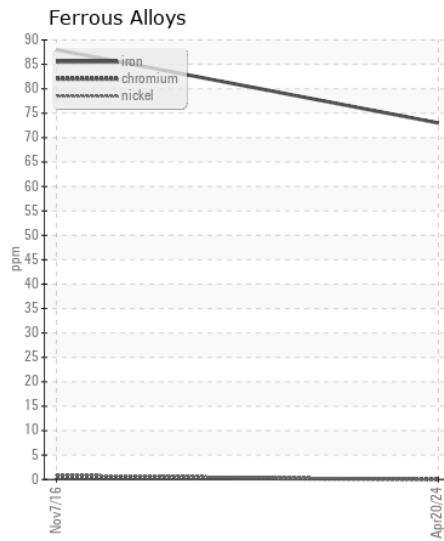
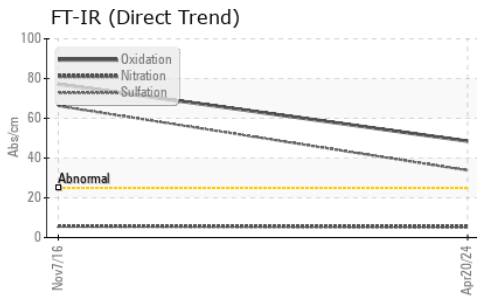
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185(m)	>20	11	8	---
Potassium	ppm	ASTM D5185(m)	>20	2	5	---
Water		WC Method	>0.1	NEG	NEG	---
Soot %	%	ASTM D7844*		0	0	---
Nitration	Abs/cm	ASTM D7624*		5.4	5.8	---
Sulfation	Abs/.1mm	ASTM D7415*		33.8	66.2	---
Silt	scalar	Visual*	NONE	NONE	NONE	---
Debris	scalar	Visual*	NONE	NONE	VLITE	---
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE	---
Appearance	scalar	Visual*	NORML	NORML	NORML	---
Odor	scalar	Visual*	NORML	NORML	NORML	---
Emulsified Water	scalar	Visual*	>0.1	NEG	NEG	---

FLUID CONDITION

The condition of the fluid is acceptable for the time in service.

Sodium	ppm	ASTM D5185(m)		7	8	---
Boron	ppm	ASTM D5185(m)		65	90	---
Barium	ppm	ASTM D5185(m)		0	1	---
Molybdenum	ppm	ASTM D5185(m)		0	1	---
Manganese	ppm	ASTM D5185(m)		<1	2	---
Magnesium	ppm	ASTM D5185(m)		4	<1	---
Calcium	ppm	ASTM D5185(m)		115	48	---
Phosphorus	ppm	ASTM D5185(m)		219	265	---
Zinc	ppm	ASTM D5185(m)		7	9	---
Sulfur	ppm	ASTM D5185(m)		1173	730	---
Oxidation	Abs/.1mm	ASTM D7414*		48.5	77.2	---
Acid Number (AN)	mg KOH/g	ASTM D974*		1.37	---	---
Base Number (BN)	mg KOH/g	ASTM D2896*		0.97	---	---
Visc @ 40°C	cSt	ASTM D7279(m)	36.1	33.1	36.9	---
Visc @ 100°C	cSt	ASTM D7279(m)	7.42	6.5	7.1	---
Viscosity Index (VI)	Scale	ASTM D2270*	178	154	158	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 **GFL Environmental - 550 - Rocky View County**
Sample No. : GFL0117300 **Received** : 01 May 2024 220 Carmek Blvd
Lab Number : 02632472 **Tested** : 02 May 2024 Rocky View County, AB
Unique Number : 5773625 **Diagnosed** : 02 May 2024 - Kevin Marson CA T1X 1X1
Test Package : MOB 2 (Additional Tests: FT-IR, ICP-NewOil, KV100, PrtCount, TAN Man, TBN, Vbhtact: GFL Calgary
 calgarymaintenance@gflenv.com
 T: (403)369-6163
 F: (403)369-6163