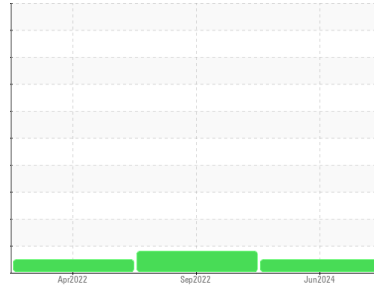




OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id

930020

Component

Transmission (Auto)

Fluid

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

DIAGNOSIS

Recommendation

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

Wear

All component wear rates are normal.

Contamination

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

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.

SAMPLE INFORMATION

	method	limit/base	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
Oil Changed	Client Info		Changed	Changed	N/A
Sample Status			NORMAL	ABNORMAL	NORMAL

CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>0.1	NEG	NEG	NEG

WEAR METALS

	method	limit/base	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
Antimony	ppm	ASTM D5185(m)		0	<1	0
Vanadium	ppm	ASTM D5185(m)		0	0	0
Beryllium	ppm	ASTM D5185(m)		0	0	0
Cadmium	ppm	ASTM D5185(m)		0	0	0

ADDITIVES

	method	limit/base	current	history1	history2	
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
Lithium	ppm	ASTM D5185(m)		<1	<1	<1

CONTAMINANTS

	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185(m)	>20	6	10	6
Sodium	ppm	ASTM D5185(m)		6	8	5
Potassium	ppm	ASTM D5185(m)	>20	2	2	4
Fuel	%	ASTM D7593*		0.3	---	---

INFRA-RED

	method	limit/base	current	history1	history2	
Soot %	%	ASTM D7844*		0	---	---
Nitration	Abs/cm	ASTM D7624*		4.5	---	---
Sulfation	Abs./1mm	ASTM D7415*		30.0	---	---

