



Machine Id
NEW FLYER 302 (S/N 6511548133)
Component
Transmission (Auto)
Fluid
PETRO CANADA DuraDrive HD Synthetic 668 (30)

RECOMMENDATION

We recommend you service the filters on this component. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PC0060044	PC0060047	PC0060042
Sample Date		Client Info		05 Mar 2023	07 Feb 2023	15 Jul 2022
Machine Age	kms	Client Info		0	308932	0
Oil Age	kms	Client Info		0	134861	0
Filter Age	kms	Client Info		0	134861	0
Oil Changed		Client Info		N/A	Not Changd	N/A
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				ATTENTION	ABNORMAL	ATTENTION

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>230	94	98	92
Chromium	ppm	ASTM D5185(m)	>2	<1	<1	<1
Nickel	ppm	ASTM D5185(m)	>5	<1	<1	0
Titanium	ppm	ASTM D5185(m)	>2	<1	<1	0
Silver	ppm	ASTM D5185(m)	>5	0	0	0
Aluminum	ppm	ASTM D5185(m)	>65	31	33	31
Lead	ppm	ASTM D5185(m)	>55	6	7	6
Copper	ppm	ASTM D5185(m)	>85	19	19	18
Tin	ppm	ASTM D5185(m)	>5	1	2	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

CONTAMINATION

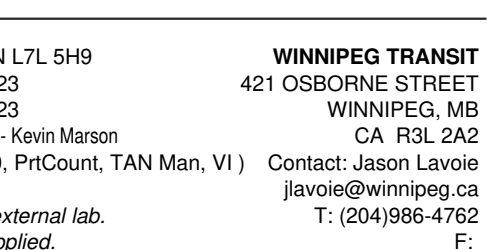
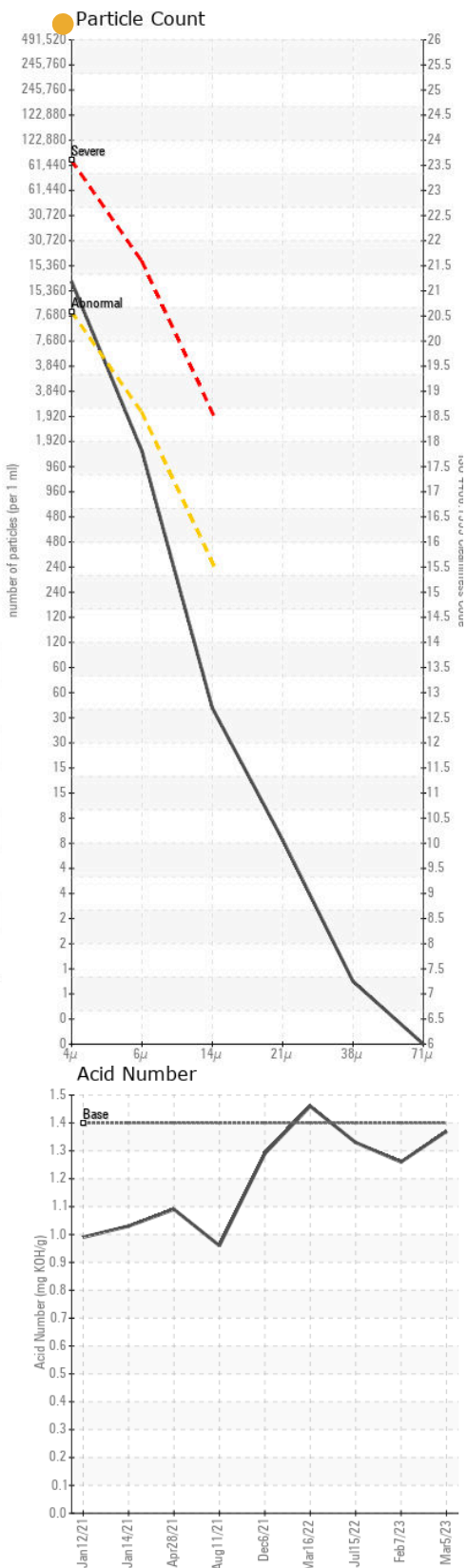
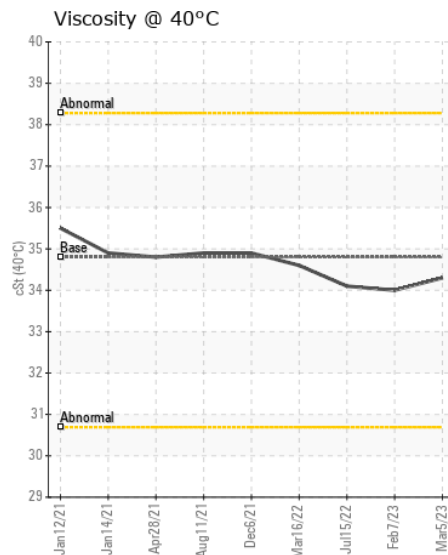
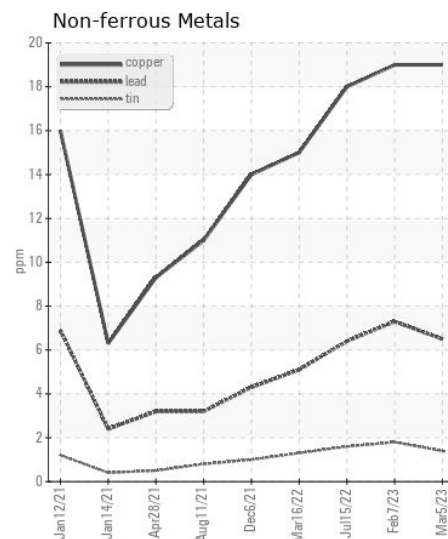
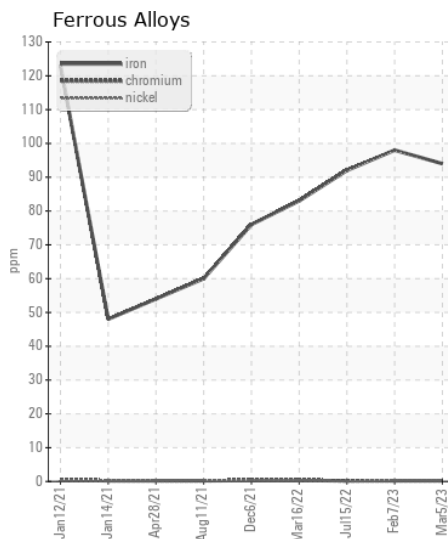
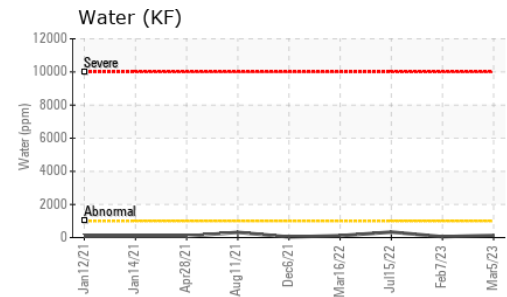
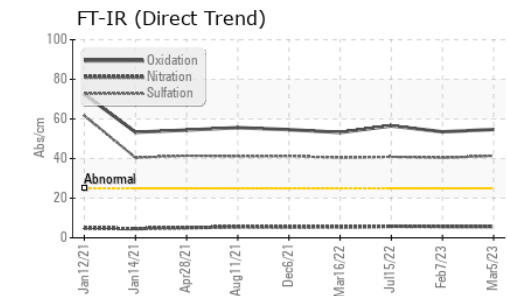
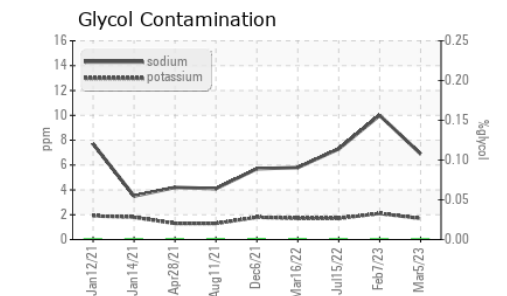
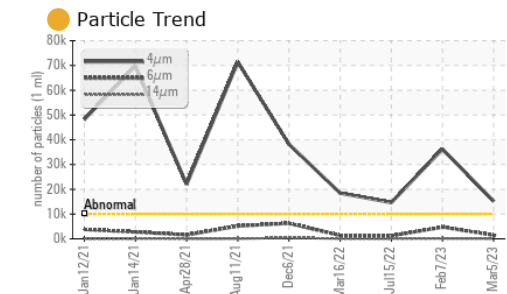
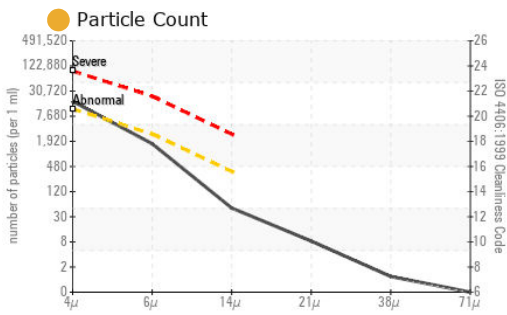
There is a light amount of silt (particulates < 14 microns in size) present in the fluid. The water content is negligible.

Silicon	ppm	ASTM D5185(m)	>20	8	11	8
Potassium	ppm	ASTM D5185(m)	>20	2	2	2
Water	%	ASTM D6304*	>0.1	0.013	0.005	0.033
ppm Water	ppm	ASTM D6304*	>1000	135.7	51.0	333.5
Glycol	%	ASTM D7922*		0.0	0.0	0.0
Soot %	%	ASTM D7844*		0	0	0
Nitration	Abs/cm	ASTM D7624*		5.7	5.7	5.8
Sulfation	Abs/.1mm	ASTM D7415*		41.4	40.4	40.9
Particles >4µm		ASTM D7647	>10000	15158	36211	14631
Particles >6µm		ASTM D7647	>2500	1474	4745	1179
Particles >14µm		ASTM D7647	>320	43	87	49
Particles >21µm		ASTM D7647	>80	7	13	11
Particles >38µm		ASTM D7647	>20	1	1	0
Particles >71µm		ASTM D7647	>4	0	1	0
Oil Cleanliness		ISO 4406 (c)	>20/18/15	21/18/13	22/19/14	21/17/13
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 AN level is acceptable for this fluid. The condition of the fluid is suitable for further service.

Sodium	ppm	ASTM D5185(m)		7	10	7
Boron	ppm	ASTM D5185(m)	78	72	67	71
Barium	ppm	ASTM D5185(m)		0	0	0
Molybdenum	ppm	ASTM D5185(m)	0	0	0	0
Manganese	ppm	ASTM D5185(m)		1	1	1
Magnesium	ppm	ASTM D5185(m)	0	1	2	1
Calcium	ppm	ASTM D5185(m)	113	98	103	98
Phosphorus	ppm	ASTM D5185(m)	222	255	248	231
Zinc	ppm	ASTM D5185(m)		5	6	5
Sulfur	ppm	ASTM D5185(m)	1326	1121	1164	1138
Oxidation	Abs/.1mm	ASTM D7414*		54.7	53.5	56.5
Acid Number (AN)	mg KOH/g	ASTM D974*	1.4	1.37	1.26	1.33
Visc @ 40°C	cSt	ASTM D7279(m)	34.8	34.3	34.0	34.1
Visc @ 100°C	cSt	ASTM D7279(m)	7.0	6.7	6.7	6.7
Viscosity Index (VI)	Scale	ASTM D2270*	167	156	158	157



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0060044
Lab Number : 02543198
Unique Number : 5540203
Test Package : MOB 2 (Additional Tests: FT-IR, Glycol, KF, KV100, PrtCount, TAN Man, VI)

Received : 06 Mar 2023
Tested : 07 Mar 2023
Diagnosed : 07 Mar 2023 - Kevin Marson

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 421 OSBORNE STREET
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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.