

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id 741007-310098

Component Transmission (Auto)

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

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the fluid.

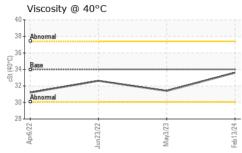
Fluid Condition

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

	MATION	method	limit/base		history1	history2
		Client Info	innibase	GFL0106850	GEI 0078148	GFL0048593
Sample Number				13 Feb 2024	0.1 2007 0 1 10	
Sample Date Machine Age	bro	Client Info Client Info			03 May 2023 75321	23 Jun 2022
0	hrs hrs			9171 600	0	51375 0
Oil Age Oil Changed	1115	Client Info Client Info		600 Changed	Changed	Changed
•		Cilent Inio		NORMAL	NORMAL	NORMAL
Sample Status						-
CONTAMINAT	ION	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG	NEG	NEG
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>160	3	39	21
Chromium	ppm	ASTM D5185m	>5	<1	0	0
Nickel	ppm	ASTM D5185m	>5	0	<1	0
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m	>5	0	0	<1
Aluminum	ppm	ASTM D5185m	>50	2	13	7
Lead	ppm	ASTM D5185m	>50	0	<1	<1
Copper	ppm	ASTM D5185m	>225	<1	11	4
Tin	ppm	ASTM D5185m	>10	0	2	1
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		75	61	80
Barium	ppm	ASTM D5185m		10	0	0
Molybdenum	ppm	ASTM D5185m		<1	<1	1
Manganese	ppm	ASTM D5185m		0	<1	<1
Magnesium	ppm	ASTM D5185m		3	5	10
Calcium	ppm	ASTM D5185m		120	145	134
Phosphorus	ppm	ASTM D5185m		256	204	208
Zinc	ppm	ASTM D5185m		0	9	18
				0 1816	9 1625	18 1466
Zinc	ppm ppm	ASTM D5185m	limit/base	-		
Zinc Sulfur	ppm ppm	ASTM D5185m ASTM D5185m		1816	1625	1466
Zinc Sulfur CONTAMINAN	ppm ppm TS	ASTM D5185m ASTM D5185m method		1816 current	1625 history1	1466 history2
Zinc Sulfur CONTAMINAN Silicon	ppm ppm ITS ppm	ASTM D5185m ASTM D5185m method ASTM D5185m	>20	1816 current 4	1625 history1 4	1466 history2 3
Zinc Sulfur CONTAMINAN Silicon Sodium	ppm ppm TS ppm ppm	ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m	>20	1816 current 4 0	1625 history1 4 0	1466 history2 3 2
Zinc Sulfur CONTAMINAN Silicon Sodium Potassium	ppm ppm TS ppm ppm	ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m	>20 >20	1816 current 4 0 <1	1625 history1 4 0 2	1466 history2 3 2 1
Zinc Sulfur CONTAMINAN Silicon Sodium Potassium VISUAL White Metal	ppm ppm TS ppm ppm ppm	ASTM D5185m ASTM D5185m Method ASTM D5185m ASTM D5185m ASTM D5185m Method	>20 >20 limit/base	1816 current 4 0 <1 current	1625 history1 4 0 2 history1	1466 history2 3 2 1 history2
Zinc Sulfur CONTAMINAN Silicon Sodium Potassium VISUAL White Metal Yellow Metal	ppm ppm TS ppm ppm ppm scalar	ASTM D5185m ASTM D5185m Method ASTM D5185m ASTM D5185m ASTM D5185m method *Visual	>20 >20 limit/base NONE	1816 current 4 0 <1 current NONE	1625 history1 4 0 2 history1 NONE	1466 history2 3 2 1 history2 NONE
Zinc Sulfur CONTAMINAN Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate	ppm ppm TS ppm ppm ppm ppm scalar scalar	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m *Visual	>20 >20 limit/base NONE NONE	1816 current 4 0 <1 current NONE NONE	1625 history1 4 0 2 history1 NONE NONE	1466 history2 3 2 1 history2 NONE NONE
Zinc Sulfur CONTAMINAN Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt	ppm ppm TS ppm ppm ppm scalar scalar scalar	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m *Visual *Visual *Visual	>20 >20 limit/base NONE NONE NONE	1816 current 4 0 <1 current NONE NONE NONE	1625 history1 4 0 2 history1 NONE NONE NONE	1466 history2 3 2 1 history2 NONE NONE NONE
Zinc Sulfur CONTAMINAN Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt Debris	ppm ppm TS ppm ppm ppm scalar scalar scalar scalar scalar	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m *Visual *Visual *Visual *Visual	>20 >20 limit/base NONE NONE NONE NONE	1816 current 4 0 <1 current NONE NONE NONE NONE	1625 history1 4 0 2 history1 NONE NONE NONE NONE NONE	1466 history2 3 2 1 history2 NONE NONE NONE NONE
Zinc Sulfur CONTAMINAN Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt Debris Sand/Dirt	ppm ppm TS ppm ppm ppm scalar scalar scalar scalar scalar scalar	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m *Visual *Visual *Visual *Visual *Visual *Visual	>20 >20 limit/base NONE NONE NONE NONE NONE	1816 current 4 0 <1 current NONE NONE NONE NONE NONE NONE	1625 history1 4 0 2 history1 NONE NONE NONE NONE NONE NONE	1466 history2 3 2 1 history2 NONE NONE NONE NONE NONE NONE
Zinc Sulfur CONTAMINAN Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt	ppm ppm TS ppm ppm ppm scalar scalar scalar scalar scalar scalar scalar	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m *Visual *Visual *Visual *Visual *Visual *Visual *Visual	>20 >20 limit/base NONE NONE NONE NONE NONE	1816 current 4 0 <1 current NONE NONE NONE NONE NONE NONE NONE	1625 history1 4 0 2 history1 NONE NONE NONE NONE NONE NONE NONE	1466 history2 3 2 1 history2 NONE NONE NONE NONE NONE NONE NONE
Zinc Sulfur CONTAMINAN Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt Debris Sand/Dirt Appearance	ppm ppm TS ppm ppm ppm scalar scalar scalar scalar scalar scalar scalar	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m *Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual	>20 >20 limit/base NONE NONE NONE NONE NONE NONE NONE NON	1816 current 4 0 <1 current NONE NONE NONE NONE NONE NONE NONE NON	1625 history1 4 0 2 history1 NONE NONE NONE NONE NONE NONE NONE NON	1466 history2 3 2 1 history2 NONE NONE NONE NONE NONE NONE NONE NON
Zinc Sulfur CONTAMINAN Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt Debris Sand/Dirt Appearance Odor	ppm ppm TS ppm ppm ppm scalar scalar scalar scalar scalar scalar scalar	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m *Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual	>20 >20 limit/base NONE NONE NONE NONE NONE NONE NONE NONE NONE	1816 current 4 0 <1 current NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE	1625 history1 4 0 2 history1 NONE NONE NONE NONE NONE NONE NONE NON	1466 history2 3 2 1 NONE NONE NONE NONE NONE NONE NONE NO



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	FLUID PRO	PERTIES	method	limit/base	current	history1	history2
	Visc @ 40°C	cSt	ASTM D445	34	33.6	31.4	32.62
	SAMPLE IM	AGES	method	limit/base	current	history1	history2
	Color				no image	no image	no image
Feb13/24	Bottom				no image	no image	no image
	GRAPHS						
	Ferrous Alloys						
	S0 45 40 35 30 wd2 25 20 15 0 50 22 20 15 0 50 50 50 50 50 50 50 50 50 50 50 50		CZ/E/NeW	Eeb13224			
	Apr6/22	****	May3/23	Feb13/24			
	Viscosity @ 40 ^o						
	35 34 33 32 35 35 36 37 37 37 37 37 37 37 37 37 37			-			
	31 Abnormal 29 22 22 22 22 22 22 22 22 22		May3/23	Feb13/24			
Laboratory Sample No. Lab Number Unique Number Test Package	: WearCheck USA - : GFL0106850 : 06093833 : 10886686	501 Madiso Rece Teste Diage	on Ave., Cary lived : 1 led : 2 nosed : 20	y, NC 27513 9 Feb 2024 0 Feb 2024) Feb 2024 - V		Contact: Ap	- Houston South ighway 6 South Houston, TX US 77083 polinar Zacarias



* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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