

OIL ANALYSIS REPORT

Sample Rating Trend

SEDIMENT

Machine Id

920092-260371

Component Transmission (Auto)

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

DIAGNOSIS

A Recommendation

The filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is a moderate amount of visible silt present in the sample.

Fluid Condition

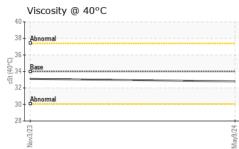
The condition of the fluid is acceptable for the time in service.

SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0118792	GFL0098603	
Sample Date		Client Info		09 May 2024	03 Nov 2023	
Machine Age	hrs	Client Info		24135	23015	
Oil Age	hrs	Client Info		23015	0	
Oil Changed		Client Info		N/A	N/A	
Sample Status				ABNORMAL	NORMAL	
CONTAMINATI	ON	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG	NEG	
WEAR METALS	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>160	46	22	
Chromium	ppm	ASTM D5185m	>5	0	0	
Nickel	ppm	ASTM D5185m	>5	0	0	
Titanium	ppm	ASTM D5185m		0	0	
Silver	ppm	ASTM D5185m	>5	0	0	
Aluminum	ppm	ASTM D5185m	>50	33	12	
Lead	ppm	ASTM D5185m	>50	20	2	
Copper	ppm	ASTM D5185m		14	11	
Tin	ppm	ASTM D5185m	>10	6	2	
Vanadium		ASTM D5185m	>10	0	0	
Cadmium	ppm ppm	ASTM D5185m		0	0	
ADDITIVES	1- 1-	method	limit/base	current	history1	history2
Boron	nnm	ASTM D5185m		64	56	
Barium	ppm ppm	ASTM D5185m		<1	0	
		ASTM D5185m		0	0	
Molybdenum	ppm	ASTIVI DOTODITI		U	0	
Manganaga	0.00.000	ACTM DE10Em		.4	0	
-	ppm	ASTM D5185m		<1	0	
Manganese Magnesium	ppm	ASTM D5185m		<1	<1	
Magnesium Calcium	ppm ppm	ASTM D5185m ASTM D5185m		<1 130	<1 156	
Magnesium Calcium Phosphorus	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m		<1 130 206	<1 156 213	
Magnesium Calcium Phosphorus Zinc	ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m		<1 130 206 11	<1 156 213 23	
Magnesium Calcium Phosphorus	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m		<1 130 206	<1 156 213	
Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN	ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	<1 130 206 11	<1 156 213 23	
Magnesium Calcium Phosphorus Zinc Sulfur	ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base >20	<1 130 206 11 1834	<1 156 213 23 1729	
Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN	ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m method		<1 130 206 11 1834 current	<1 156 213 23 1729 history1	
Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon	ppm ppm ppm ppm ppm TS ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m		<1 130 206 11 1834 current 8	<1 156 213 23 1729 history1 4	 history2
Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium	ppm ppm ppm ppm ppm FS ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>20	<1 130 206 11 1834 <u>current</u> 8 7	<1 156 213 23 1729 history1 4 5	 history2
Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium	ppm ppm ppm ppm ppm FS ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>20 >20	<1 130 206 11 1834 <u>current</u> 8 7 1	<1 156 213 23 1729 history1 4 5 1	 history2
Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN ^T Silicon Sodium Potassium VISUAL	ppm ppm ppm ppm ppm FS ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>20 >20 limit/base	<1 130 206 11 1834 current 8 7 1 current	<1 156 213 23 1729 history1 4 5 1 1 history1	 history2 history2
Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium VISUAL White Metal	ppm ppm ppm ppm ppm FS ppm ppm ppm scalar	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m XFM D5185m	>20 >20 limit/base NONE	<1 130 206 11 1834 current 8 7 1 1 current NONE	<1 156 213 23 1729 history1 4 5 1 history1 NONE	 history2 history2
Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate	ppm ppm ppm ppm ppm FS ppm ppm ppm scalar scalar	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m *Visual	>20 >20 limit/base NONE NONE	<1 130 206 11 1834 current 8 7 1 1 current NONE NONE	<1 156 213 23 1729 history1 4 5 1 history1 NONE NONE NONE	 history2 history2
Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt	ppm ppm ppm ppm ppm FS ppm ppm ppm scalar scalar scalar	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m *Visual *Visual *Visual	>20 >20 limit/base NONE NONE NONE	<1 130 206 11 1834 current 8 7 1 1 current NONE NONE NONE NONE	<1 156 213 23 1729 history1 4 5 1 history1 NONE NONE NONE NONE	 history2 history2
Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt Debris	ppm ppm ppm ppm FS ppm ppm ppm ppm scalar scalar scalar scalar	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m *Visual *Visual *Visual *Visual	>20 >20 limit/base NONE NONE NONE NONE	<1 130 206 11 1834 current 8 7 1 1 Current NONE NONE NONE MODER	<1 156 213 23 1729 history1 4 5 1 NONE NONE NONE NONE NONE NONE	 history2 history2 history2
Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium VISUAL White Metal Yellow Metal Yellow Metal Precipitate Silt Debris Sand/Dirt	ppm ppm ppm ppm rS ppm ppm ppm ppm scalar scalar scalar scalar scalar	ASTM D5185m ASTM D5185m ASTM D5185m 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	<1 130 206 11 1834 current 8 7 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	<1 156 213 23 1729 history1 4 5 1 NONE NONE NONE NONE NONE NONE NONE NO	 history2 history2
Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt Debris	ppm ppm ppm ppm ppm ppm ppm ppm scalar scalar scalar scalar scalar scalar	ASTM D5185m ASTM D5185m 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	<1 130 206 11 1834 current 8 7 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	<1 156 213 23 1729 history1 4 5 1 NONE NONE NONE NONE NONE NONE NONE NO	 history2 history2 history2
Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN CONTAMINAN Sodium Potassium VISUAL White Metal Yellow Metal Yellow Metal Precipitate Silt Debris Sand/Dirt Appearance Odor	ppm ppm ppm ppm ppm ppm ppm ppm scalar scalar scalar scalar scalar scalar scalar scalar	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m *Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual	>20 >20 Imit/base NONE NONE NONE NONE NONE NONE NONE NONE NONE	<1 130 206 11 1834 current 8 7 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	<1 156 213 23 1729 history1 4 5 1 NONE NONE NONE NONE NONE NONE NONE NO	history2 history2
Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN CONTAMINAN Sodium Sodium Potassium VISUAL Vhite Metal Yellow Metal Yellow Metal Precipitate Silt Debris Sand/Dirt Appearance	ppm ppm ppm ppm ppm ppm ppm ppm scalar scalar scalar scalar scalar scalar scalar	ASTM D5185m ASTM D	>20 >20 Imit/base NONE NONE NONE NONE NONE NONE NONE NONE	<1 130 206 11 1834 current 8 7 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	<1 156 213 23 1729 history1 4 5 1 NONE NONE NONE NONE NONE NONE NONE NO	 history2 history2

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OIL ANALYSIS REPORT



FLUID PROF	PERTIES	method	limit/base	current	history1	histo
Visc @ 40°C	cSt	ASTM D445	34	32.8	33.1	
SAMPLE IMA	AGES	method	limit/base	current	history1	histo
Color				no imago	no imago	no ima
Color				no image	no image	no ima
Bottom				no image	no image	no im
GRAPHS						
Ferrous Alloys						
45 - chromium 40 - nickel		_				
35 -						
30						
20						
15						
5						
Nov3/23 0			May9/24			
Nov			May			
Non-ferrous Me	tals					
18 - copper			A STREET, STREE			
16 tin		and the second se				
12	And a state of the	***				
E 10	N. W. S. W.					
6			are in the local data			
4 2	And Solar Row Row Row Build Street on Hon Hon Hon Hon Hon	N & Say of Say o				
Nov3/23			May9/24			
~ Viscosity @ 40°	С		2			
³⁹ T						
38 37						
36 -						
⊖ 35 - €€ 34 - Base						
33						
32 -						
31- 30 - Abnormal						
29						
Nov3/23			May9/24			
2			M			
: WearCheck USA -	501 Madiso	n Ave Carv	, NC 27513	GFL Er	vironmental - 83	7 - Harris
: GFL0118792	Recei	ved : 13	8 May 2024		22820 S S	tate Rou
: 06177628 : 11023681	Teste Diagn		May 2024 May 2024 - Doi	n Baldridge	Ha	arrisonvill US (
· FI FFT	Diagi	. 10	may 2024 - DUI	n Dalanaye	Contact: S	



Unique Number : 11023681 Diagnosed : 15 May 2024 - Don Baldridge Contact: SARA PATRICK Test Package : FLEET Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369. * - 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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Submitted By: JEREMY BROWN Page 2 of 2

spatrick@gflenv.com

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