

OIL ANALYSIS REPORT

Area (ECU365) 2869

Transmission (Auto)

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

Sample Rating Trend



DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is no indication of any contamination in the fluid.

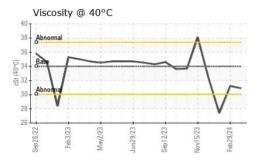
Fluid Condition

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

SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0115720	GFL0112349	GFL0109878
Sample Date		Client Info		05 Apr 2024	29 Feb 2024	18 Jan 2024
Machine Age	hrs	Client Info		3479	3187	3003
Oil Age	hrs	Client Info		292	960	776
Oil Changed		Client Info		Not Changd	Changed	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL
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	25	18	31
Chromium	ppm	ASTM D5185m	>5	<1	0	<1
Nickel	ppm	ASTM D5185m	>5	0	<1	0
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m	>5	0	0	0
Aluminum	ppm	ASTM D5185m	>50	9	7	10
_ead	ppm	ASTM D5185m	>50	5	4	<1
Copper	ppm	ASTM D5185m	>225	5	3	9
Γin	ppm	ASTM D5185m	>10	1	<1	1
/anadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		73	76	55
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		<1	0	0
Manganese	ppm	ASTM D5185m		<1	<1	0
Magnesium	ppm	ASTM D5185m		3	2	2
	ppiii					
		ASTM D5185m		382	346	117
Calcium	ppm	ASTM D5185m ASTM D5185m				117 236
Calcium Phosphorus	ppm ppm	ASTM D5185m		434	386	236
Calcium Phosphorus Zinc Sulfur	ppm					
Calcium Phosphorus Zinc	ppm ppm ppm	ASTM D5185m ASTM D5185m	limit/base	434 5	386	236 0 1756
Calcium Phosphorus Zinc Sulfur CONTAMINAN	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m		434 5 1775	386 1 1319	236 0 1756
Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon	ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m method		434 5 1775 current	386 1 1319 history1	236 0 1756 history2
Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium	ppm ppm ppm ppm TS	ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D5185m		434 5 1775 current	386 1 1319 history1	236 0 1756 history2
Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium	ppm ppm ppm ppm TS ppm	ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m	>20	434 5 1775 current 11 7	386 1 1319 history1 10 5	236 0 1756 history2 4 0 2
Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium VISUAL	ppm ppm ppm ppm TS ppm	ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m	>20 >20	434 5 1775 current 11 7	386 1 1319 history1 10 5	236 0 1756 history2 4 0 2
Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium VISUAL White Metal	ppm ppm ppm ppm TS ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m method	>20 >20 limit/base	434 5 1775 current 11 7 2	386 1 1319 history1 10 5 2 history1	236 0 1756 history2 4 0 2 history2
Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium VISUAL White Metal Yellow Metal	ppm ppm ppm ppm TS ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m wethod *Visual	>20 >20 limit/base NONE	434 5 1775 current 11 7 2 current NONE	386 1 1319 history1 10 5 2 history1 NONE	236 0 1756 history2 4 0 2 history2 NONE
Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate	ppm ppm ppm ppm ppm ppm ppm scalar scalar	ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m wethod *Visual	>20 >20 limit/base NONE NONE	434 5 1775 current 11 7 2 current NONE NONE	386 1 1319 history1 10 5 2 history1 NONE NONE	236 0 1756 history2 4 0 2 history2 NONE
Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt	ppm	ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m wethod *Visual *Visual *Visual	>20 >20 limit/base NONE NONE NONE	434 5 1775 current 11 7 2 current NONE NONE	386 1 1319 history1 10 5 2 history1 NONE NONE	236 0 1756 history2 4 0 2 history2 NONE NONE
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	ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m *Visual *Visual *Visual *Visual	>20 >20 limit/base NONE NONE NONE NONE	434 5 1775 current 11 7 2 current NONE NONE NONE NONE	386 1 1319 history1 10 5 2 history1 NONE NONE NONE	236 0 1756 history2 4 0 2 history2 NONE NONE NONE
Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt Debris Sand/Dirt	ppm ppm ppm ppm ppm ppm ppm scalar scalar scalar scalar	ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m *Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual	>20 limit/base NONE NONE NONE NONE NONE NONE	434 5 1775 current 11 7 2 current NONE NONE NONE NONE NONE NONE NONE	386 1 1319 history1 10 5 2 history1 NONE NONE NONE NONE NONE NONE NONE	236 0 1756 history2 4 0 2 history2 NONE NONE NONE NONE LIGHT
Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt Debris Sand/Dirt Appearance	ppm ppm ppm ppm ppm ppm ppm scalar scalar scalar scalar scalar scalar	ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m *Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual	>20 limit/base NONE NONE NONE NONE NONE NONE NONE NONE	434 5 1775 current 11 7 2 current NONE NONE NONE NONE NONE NONE NONE NON	386 1 1319 history1 10 5 2 history1 NONE NONE NONE NONE NONE NONE NONE NON	236 0 1756 history2 4 0 2 history2 NONE NONE NONE NONE LIGHT NONE
Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium	ppm ppm ppm ppm ppm ppm ppm ppm scalar scalar scalar scalar scalar scalar	ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m *Visual	>20 limit/base NONE NONE	434 5 1775 current 11 7 2 current NONE NONE NONE NONE NONE NONE NONE NON	386 1 1319 history1 10 5 2 history1 NONE NONE NONE NONE NONE NONE NONE NON	236 0 1756 history2 4 0 2 history2 NONE NONE NONE NONE NONE NONE LIGHT NONE NORML



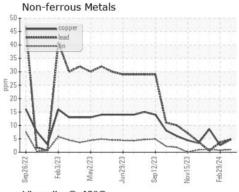
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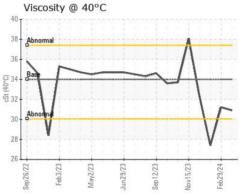


FLUID PROP	ERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	34	30.9	31.2	27.4
SAMPLE IMA	GES	method	limit/base	current	history1	history2
Color				no image	no image	no image
Bottom				no image	no image	no image

GRAPHS









Certificate 12367

Laboratory

Sample No.

Lab Number : 06141828 Unique Number : 10966636 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : GFL0115720 Received

: 08 Apr 2024 **Tested** : 09 Apr 2024 Diagnosed

: 09 Apr 2024 - Wes Davis

GFL Environmental - 010 - Stockbridge

1280 Rum Creek Parkway Stockbridge, GA

US 30281

T:

F:

Contact: JOSHUA TINKER joshuatinker@gflenv.com

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)

Report Id: GFL010 [WUSCAR] 06141828 (Generated: 04/09/2024 13:34:14) Rev: 1

Submitted By: JOSHUA TINKER