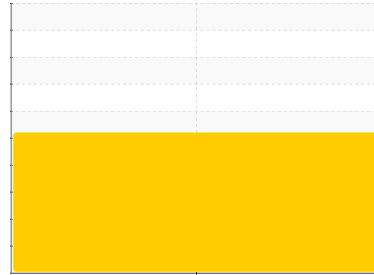




OIL ANALYSIS REPORT

Sample Rating Trend

GLYCOL



Machine Id
911038
 Component
Drain Transmission
 Fluid
PETRO CANADA DuraDrive HD Synthetic 668 (37 LTR)

DIAGNOSIS

Recommendation

We advise that you check for the source of the coolant leak. The fluid change at the time of sampling has been noted. Confirm the source of the lubricant being utilized for top-up/fill. We recommend an early resample to monitor this condition.

Wear

All component wear rates are normal.

Contamination

Test for glycol is positive. There is a moderate concentration of glycol present in the fluid.

Fluid Condition

Viscosity of sample indicates oil is within SAE 30 range, advise investigate. This plus the additive levels indicates that this is not the same brand, or type of oil as reported. The fluid is no longer serviceable due to the presence of contaminants.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		GFL0059101	---	---
Sample Date	Client Info		27 Feb 2024	---	---
Machine Age	hrs	Client Info	0	---	---
Oil Age	hrs	Client Info	1400	---	---
Oil Changed	Client Info		Changed	---	---
Sample Status			ABNORMAL	---	---

CONTAMINATION

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

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>320	96	---
Chromium	ppm	ASTM D5185(m)	>5	4	---
Nickel	ppm	ASTM D5185(m)	>5	1	---
Titanium	ppm	ASTM D5185(m)		0	---
Silver	ppm	ASTM D5185(m)		0	---
Aluminum	ppm	ASTM D5185(m)	>50	25	---
Lead	ppm	ASTM D5185(m)	>65	4	---
Copper	ppm	ASTM D5185(m)	>95	6	---
Tin	ppm	ASTM D5185(m)	>6	1	---
Antimony	ppm	ASTM D5185(m)		0	---
Vanadium	ppm	ASTM D5185(m)		0	---
Beryllium	ppm	ASTM D5185(m)		0	---
Cadmium	ppm	ASTM D5185(m)		0	---

ADDITIVES

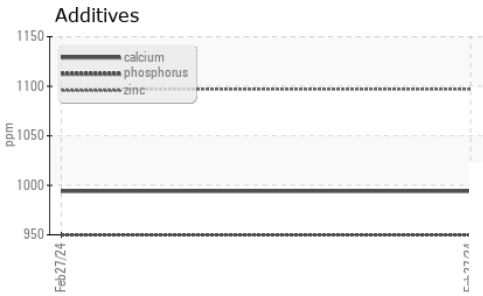
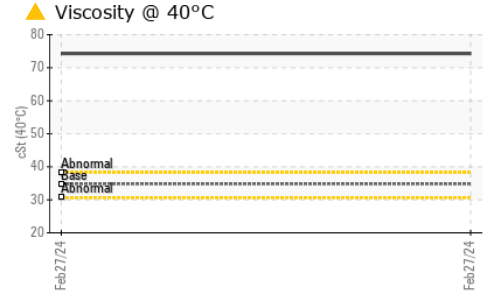
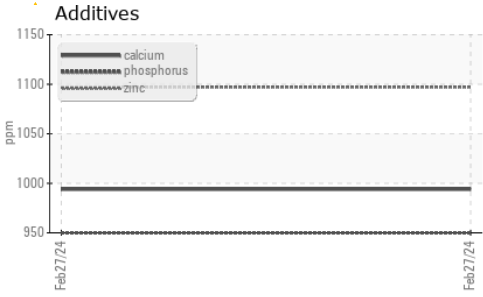
	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	78	3	---
Barium	ppm	ASTM D5185(m)		0	---
Molybdenum	ppm	ASTM D5185(m)	0	84	---
Manganese	ppm	ASTM D5185(m)		<1	---
Magnesium	ppm	ASTM D5185(m)	0	894	---
Calcium	ppm	ASTM D5185(m)	113	994	---
Phosphorus	ppm	ASTM D5185(m)	222	950	---
Zinc	ppm	ASTM D5185(m)		1097	---
Sulfur	ppm	ASTM D5185(m)	1326	2539	---
Lithium	ppm	ASTM D5185(m)		<1	---

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>65	6	---
Sodium	ppm	ASTM D5185(m)		52	---
Potassium	ppm	ASTM D5185(m)	>20	275	---
Glycol	%	ASTM D7922*		0.087	---



OIL ANALYSIS REPORT



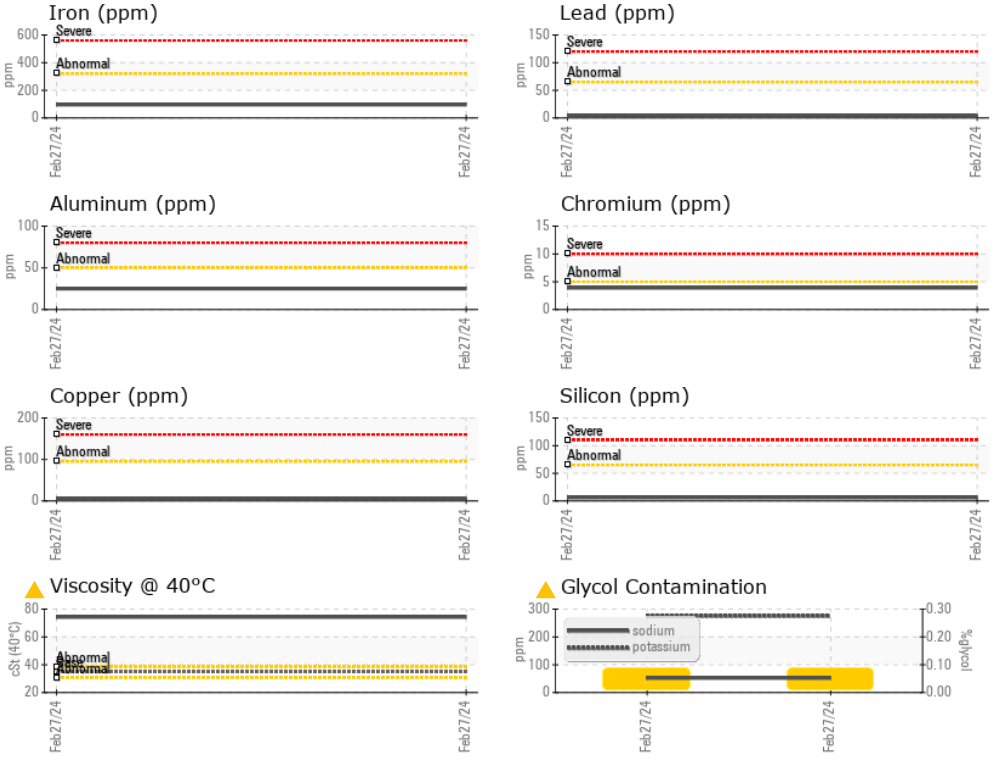
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	---
Yellow Metal	scalar	Visual*	NONE	NONE	---
Precipitate	scalar	Visual*	NONE	NONE	---
Silt	scalar	Visual*	NONE	NONE	---
Debris	scalar	Visual*	NONE	NONE	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---
Appearance	scalar	Visual*	NORML	NORML	---
Odor	scalar	Visual*	NORML	NORML	---
Emulsified Water	scalar	Visual*	>0.1	NEG	---
Free Water	scalar	Visual*		NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	34.8	▲ 74.3	---

SAMPLE IMAGES

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color				no image	no image
Bottom				no image	no image

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : GFL0059101 **Received** : 04 Mar 2024
Lab Number : 02619614 **Tested** : 04 Mar 2024
Unique Number : 5736724 **Diagnosed** : 05 Mar 2024 - Kevin Marson
Test Package : MOB 1 (Additional Tests: Glycol)

GFL Environmental - 570 - Thunder Bay
 3000 Highway 61,
 Slate River, ON
 CA P7J 0G8
 Contact: Cindy Wall
 cwall@gflenv.com
 T: (807)577-0411
 F:

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.