



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

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.

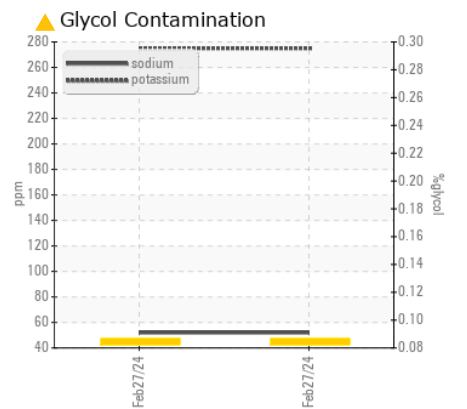
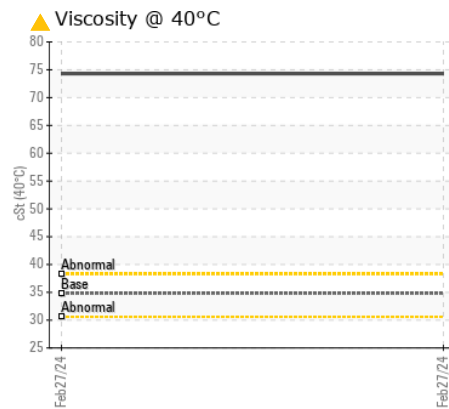
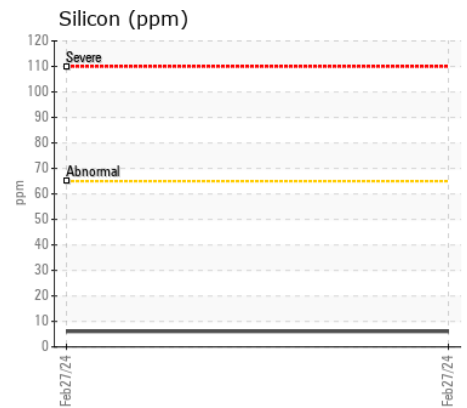
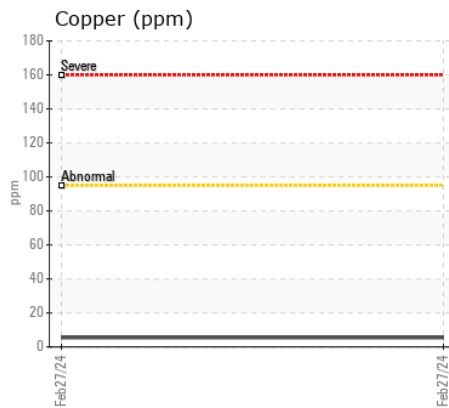
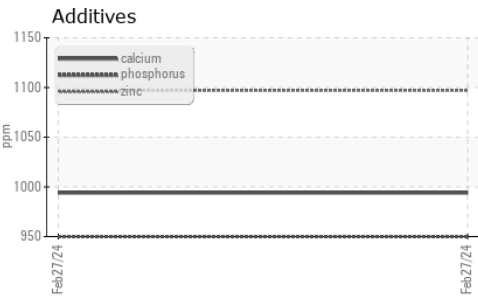
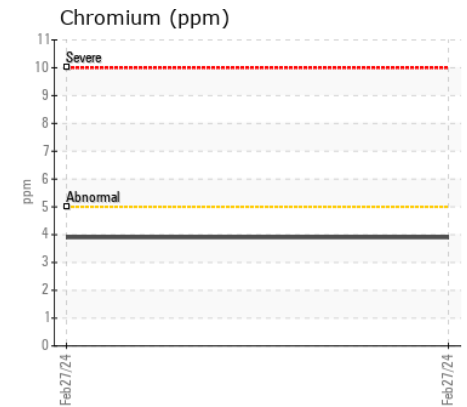
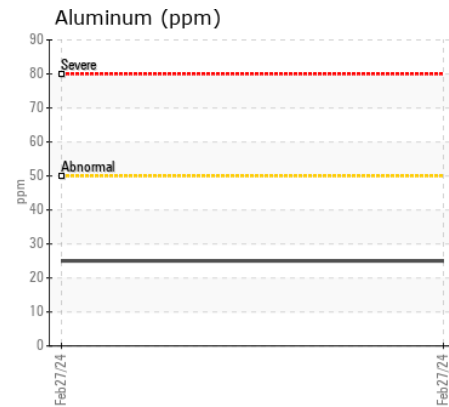
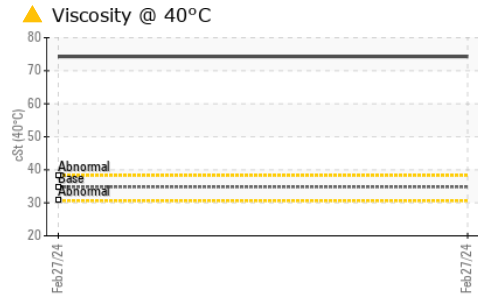
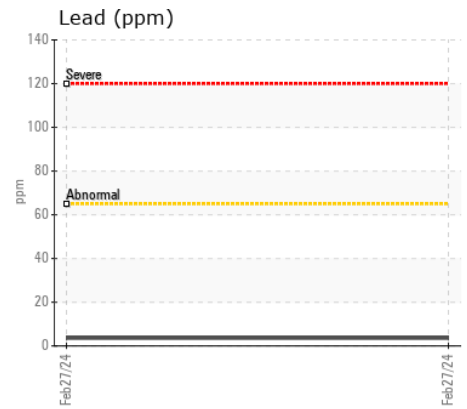
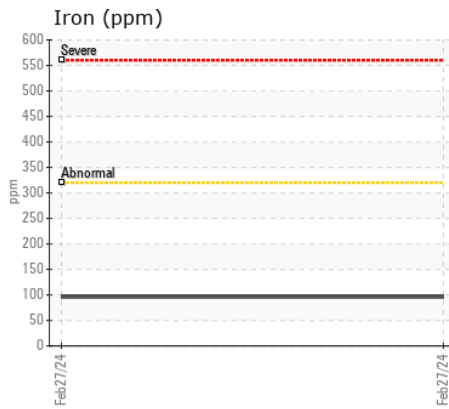
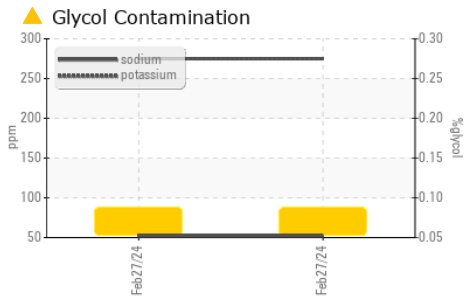
CONTAMINATION

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.

Test	UOM	Method	Limit/Abn	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	---	---
Filter Age	hrs	Client Info		1400	---	---
Oil Changed		Client Info		Changed	---	---
Filter Changed		Client Info		Changed	---	---
Sample Status				ABNORMAL	---	---
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	---	---
Vanadium	ppm	ASTM D5185(m)		0	---	---
White Metal	scalar	Visual*	NONE	NONE	---	---
Yellow Metal	scalar	Visual*	NONE	NONE	---	---
Silicon	ppm	ASTM D5185(m)	>65	6	---	---
Potassium	ppm	ASTM D5185(m)	>20	▲ 275	---	---
Water		WC Method	>0.1	NEG	---	---
Glycol	%	ASTM D7922*		▲ 0.087	---	---
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	---	---
Sodium	ppm	ASTM D5185(m)		● 52	---	---
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	---	---
Visc @ 40°C	cSt	ASTM D7279(m)	34.8	▲ 74.3	---	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : GFL0059101
Lab Number : 02619614
Unique Number : 5736724
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.