



Machine Id

WL0052

Component

Transmission (Manual)

Fluid

CASTROL TRANSYND 668 (--- GAL)

RECOMMENDATION

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. The fluid was specified as CASTROL TRANSYND 668, however, a fluid match indicates that this fluid is SAE 70W80 Tractor TDH Fluid. Please confirm the fluid type and grade on your next sample.

WEAR

All component wear rates are normal.

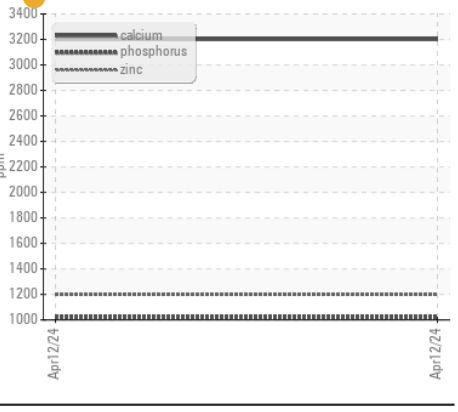
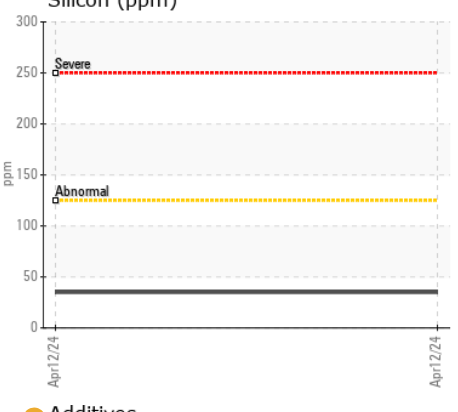
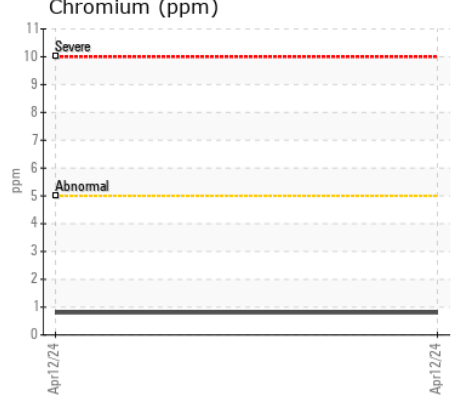
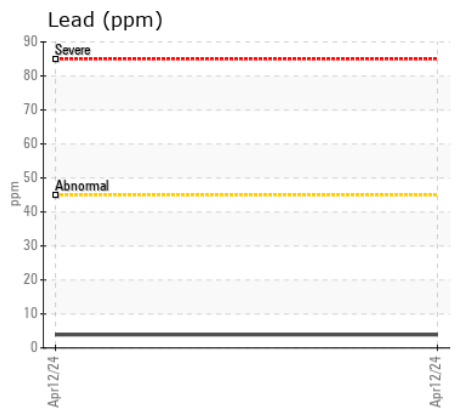
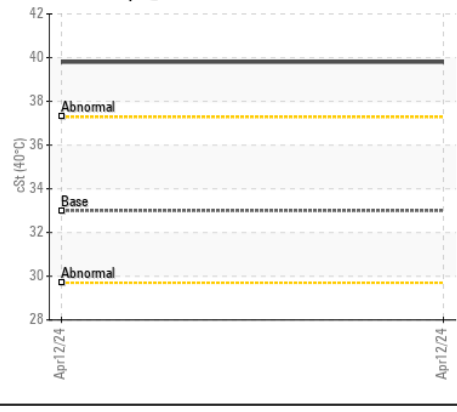
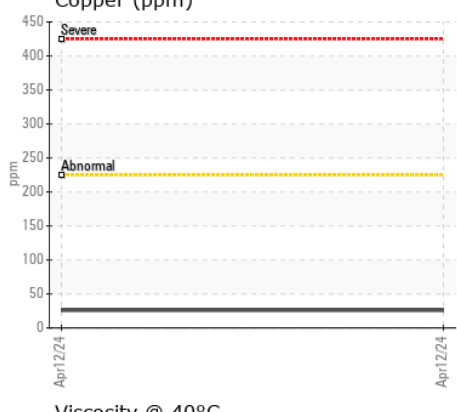
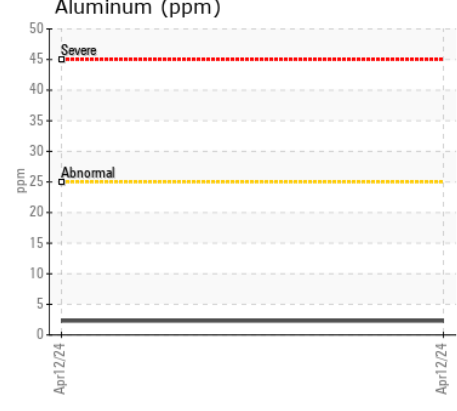
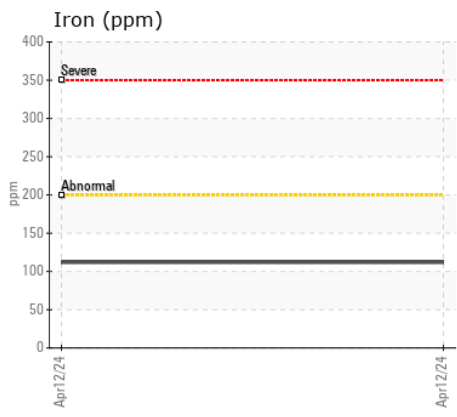
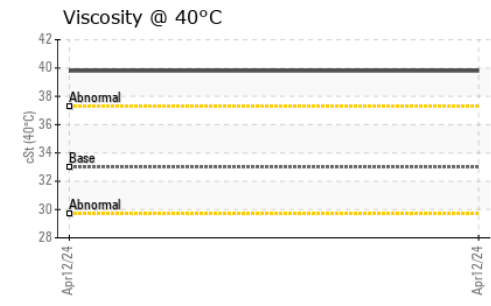
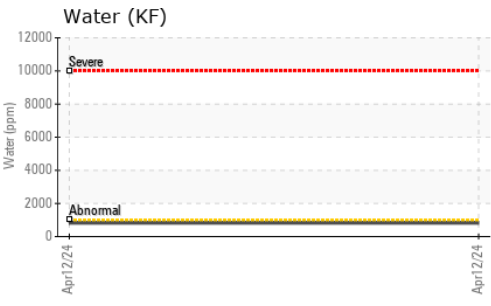
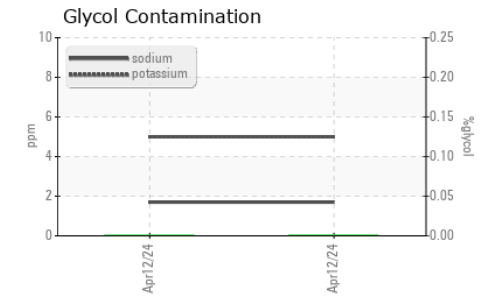
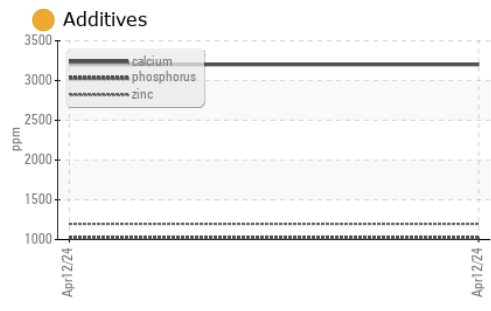
CONTAMINATION

The water content is negligible. There is no indication of any contamination in the fluid.

FLUID CONDITION

The fluid viscosity is higher than typical. This plus the additive levels indicates that this is not the same brand, or type of oil as reported. The condition of the fluid is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		GFL0113157	---	---
Sample Date		Client Info		12 Apr 2024	---	---
Machine Age	hrs	Client Info		9987	---	---
Oil Age	hrs	Client Info		0	---	---
Filter Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		N/A	---	---
Filter Changed		Client Info		N/A	---	---
Sample Status				ATTENTION	---	---
<hr/>						
Iron	ppm	ASTM D5185(m)	>200	112	---	---
Chromium	ppm	ASTM D5185(m)	>5	<1	---	---
Nickel	ppm	ASTM D5185(m)	>5	0	---	---
Titanium	ppm	ASTM D5185(m)		0	---	---
Silver	ppm	ASTM D5185(m)	>7	0	---	---
Aluminum	ppm	ASTM D5185(m)	>25	2	---	---
Lead	ppm	ASTM D5185(m)	>45	4	---	---
Copper	ppm	ASTM D5185(m)	>225	26	---	---
Tin	ppm	ASTM D5185(m)	>10	<1	---	---
Vanadium	ppm	ASTM D5185(m)		0	---	---
White Metal	scalar	Visual*	NONE	NONE	---	---
Yellow Metal	scalar	Visual*	NONE	NONE	---	---
<hr/>						
Silicon	ppm	ASTM D5185(m)	>125	35	---	---
Potassium	ppm	ASTM D5185(m)	>20	5	---	---
Water	%	ASTM D6304*	>0.1	0.082	---	---
ppm Water	ppm	ASTM D6304*	>1000	821	---	---
Glycol	%	ASTM D7922*		0.0	---	---
Silt	scalar	Visual*	NONE	NONE	---	---
Debris	scalar	Visual*	NONE	NONE	---	---
Sand/Dirt	scalar	Visual*	NONE	VLITE	---	---
Appearance	scalar	Visual*	NORML	NORML	---	---
Odor	scalar	Visual*	NORML	NORML	---	---
Emulsified Water	scalar	Visual*	>0.1	.2%	---	---
<hr/>						
Sodium	ppm	ASTM D5185(m)		2	---	---
Boron	ppm	ASTM D5185(m)		1	---	---
Barium	ppm	ASTM D5185(m)		1	---	---
Molybdenum	ppm	ASTM D5185(m)		15	---	---
Manganese	ppm	ASTM D5185(m)		1	---	---
Magnesium	ppm	ASTM D5185(m)		10	---	---
Calcium	ppm	ASTM D5185(m)		3201	---	---
Phosphorus	ppm	ASTM D5185(m)		1021	---	---
Zinc	ppm	ASTM D5185(m)		1197	---	---
Sulfur	ppm	ASTM D5185(m)		6118	---	---
Visc @ 40°C	cSt	ASTM D7279(m)	33	39.8	---	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : GFL0113157
Lab Number : 02631022
Unique Number : 5772175
Test Package : MOB 1 (Additional Tests: Glycol, KF)

GFL Environmental - 582 - Nanaimo
 3469 Aqua Terra Rd.,
 Cassidy, BC
 CA V0R 1H0
 Contact: GFL Tech
 wcgfldemo@gmail.com

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.