

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		
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		
Silicon	ppm	ASTM D5185(m)	>125	35		
Potassium	ppm	ASTM D5185(m)	>20	5		
Water		ASTM D6304*	>0.1	0.082		
Waler	%					
		ASTM D6304*	>1000	821		
ppm Water	% ppm %		-			
	ppm	ASTM D6304*	-	821		
ppm Water Glycol	ppm %	ASTM D6304* ASTM D7922*	>1000	821 0.0		
ppm Water Glycol Silt	ppm % scalar	ASTM D6304* ASTM D7922* Visual*	>1000 NONE	821 0.0 NONE		
ppm Water Glycol Silt Debris	ppm % scalar scalar	ASTM D6304* ASTM D7922* Visual* Visual*	>1000 NONE NONE	821 0.0 NONE NONE		
ppm Water Glycol Silt Debris Sand/Dirt	ppm % scalar scalar scalar	ASTM D6304* ASTM D7922* Visual* Visual* Visual*	>1000 NONE NONE NONE	821 0.0 NONE NONE VLITE		
ppm Water Glycol Silt Debris Sand/Dirt Appearance	ppm % scalar scalar scalar scalar	ASTM D6304* ASTM D7922* Visual* Visual* Visual* Visual*	>1000 NONE NONE NONE NORML	821 0.0 NONE NONE VLITE NORML	 	
ppm Water Glycol Silt Debris Sand/Dirt Appearance Odor Emulsified Water	ppm % scalar scalar scalar scalar scalar scalar	ASTM D6304* ASTM D7922* Visual* Visual* Visual* Visual* Visual* Visual*	>1000 NONE NONE NORML NORML	821 0.0 NONE NONE VLITE NORML NORML .2%		
ppm Water Glycol Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium	ppm % scalar scalar scalar scalar scalar scalar ppm	ASTM D6304* ASTM D7922* Visual* Visual* Visual* Visual* Visual* Visual* ASTM D5185(m)	>1000 NONE NONE NORML NORML	821 0.0 NONE NONE VLITE NORML NORML .2%		
ppm Water Glycol Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron	ppm % scalar scalar scalar scalar scalar scalar ppm	ASTM D6304* ASTM D7922* Visual* Visual* Visual* Visual* Visual* Visual* ASTM D5185(m) ASTM D5185(m)	>1000 NONE NONE NORML NORML	821 0.0 NONE VLITE NORML .2% 2 1		
ppm Water Glycol Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium	ppm % scalar scalar scalar scalar scalar scalar ppm ppm	ASTM D6304* ASTM D7922* Visual* Visual* Visual* Visual* Visual* Visual* ASTM D5185(m) ASTM D5185(m)	>1000 NONE NONE NORML NORML	821 0.0 NONE NONE VLITE NORML .2% 2 1 1		
ppm Water Glycol Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum	ppm % scalar scalar scalar scalar scalar ppm ppm ppm	ASTM D6304* ASTM D7922* Visual* Visual* Visual* Visual* Visual* Visual* ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	>1000 NONE NONE NORML NORML	821 0.0 NONE NONE VLITE NORML .2% 2 2 1 1 1 15		
ppm Water Glycol Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese	ppm % scalar scalar scalar scalar scalar ppm ppm ppm	ASTM D6304* ASTM D7922* Visual* Visual* Visual* Visual* Visual* Visual* ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	>1000 NONE NONE NORML NORML	821 0.0 NONE VLITE NORML .2% 2 1 1 1 15 1		
ppm Water Glycol Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium	ppm % scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm	ASTM D6304* ASTM D7922* Visual* Visual* Visual* Visual* Visual* Visual* ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	>1000 NONE NONE NORML NORML	821 0.0 NONE VLITE NORML .2% 2 1 1 1 15 1 15 1 10		
ppm Water Glycol Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Malybdenum Manganese Magnesium Calcium	ppm % scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm	ASTM D6304* ASTM D7922* Visual* Visual* Visual* Visual* Visual* Visual* ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	>1000 NONE NONE NORML NORML	821 0.0 NONE NONE VLITE NORML .2% 2 1 1 1 15 1 15 1 10 3201		
ppm Water Glycol Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium	ppm % scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm	ASTM D6304* ASTM D7922* Visual* Visual* Visual* Visual* Visual* Visual* ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	>1000 NONE NONE NORML NORML	821 0.0 NONE VLITE NORML .2% 2 1 1 15 1 10 3201 0 1021		
ppm Water Glycol Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Malybdenum Manganese Magnesium Calcium	ppm % scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm	ASTM D6304* ASTM D7922* Visual* Visual* Visual* Visual* Visual* Visual* ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	>1000 NONE NONE NORML NORML	821 0.0 NONE NONE VLITE NORML .2% 2 1 1 1 15 1 15 1 10 3201		

WEAR

CONTAMINATION

FLUID CONDITION

NORMAL

NORMAL

ATTENTION

Visc @ 40°C

cSt

ASTM D7279(m) 33

39.8 --- ---Contact/Location: GFL Tech - GFL582



: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 GFL Environmental - 582 - Nanaimo Laboratory CALA Sample No. Received 3469 Aqua Terra Rd., : GFL0113157 : 23 Apr 2024 Lab Number : 02631022 Cassidy, BC Tested : 24 Apr 2024 ISO 17025:2017 Accredited : 24 Apr 2024 - Kevin Marson CA VOR 1H0 Unique Number : 5772175 Diagnosed Laboratory Test Package : MOB 1 (Additional Tests: Glycol, KF) Contact: GFL Tech To discuss this sample report, contact Customer Service at 1-800-268-2131. wcgfldemo@gmail.com T: Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab. F: Validity of results and interpretation are based on the sample and information as supplied.