

# WEARNORMALCONTAMINATIONNORMALFLUID CONDITIONNORMAL



Machine Id **420096** Component **2 Differential** Fluid

{not provided} (--- GAL)

## RECOMMENDATION

Resample at the next service interval to monitor. ( Customer Sample Comment: 2nd Axle / Tag )

#### WEAR

All component wear rates are normal.

#### CONTAMINATION

There is no indication of any contamination in the oil.

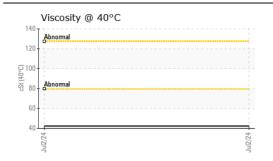
### FLUID CONDITION

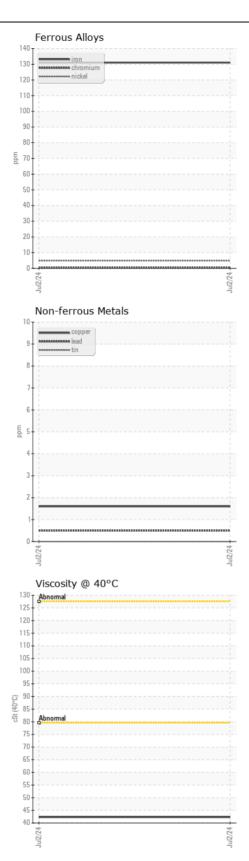
The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		GFL0123511		
Sample Date		Client Info		02 Jul 2024		
Machine Age	hrs	Client Info		142429		
Oil Age	hrs	Client Info		142429		
Filter Age	hrs	Client Info		142429		
Oil Changed		Client Info		Not Changd		
Filter Changed		Client Info		Not Changd		
Sample Status				NORMAL		
			4000	404		
Iron	ppm	ASTM D5185m	>1200	131		
Chromium	ppm	ASTM D5185m	>8	<1		
Nickel	ppm	ASTM D5185m	>20	5		
Titanium	ppm	ASTM D5185m	>4	0		
Silver	ppm	ASTM D5185m	00	0		
Aluminum	ppm	ASTM D5185m	>30	7		
Lead	ppm	ASTM D5185m	>25	<1		
Copper	ppm	ASTM D5185m	>50	2		
Tin	ppm	ASTM D5185m	>5	0		
Vanadium	ppm	ASTM D5185m	NONE	0		
White Metal	scalar	*Visual	NONE	NONE		
Yellow Metal	scalar	*Visual	NONE	NONE		
Yellow Metal Silicon		*Visual ASTM D5185m	>230	NONE 61		
	scalar ppm ppm					
Silicon	ppm	ASTM D5185m	>230	61		
Silicon Potassium	ppm	ASTM D5185m ASTM D5185m	>230 >20	61 2		
Silicon Potassium Water	ppm ppm	ASTM D5185m ASTM D5185m WC Method	>230 >20 >.2	61 2 NEG		
Silicon Potassium Water Silt	ppm ppm scalar	ASTM D5185m ASTM D5185m WC Method *Visual	>230 >20 >.2 NONE	61 2 NEG NONE		  
Silicon Potassium Water Silt Debris	ppm ppm scalar scalar	ASTM D5185m ASTM D5185m WC Method *Visual *Visual	>230 >20 >.2 NONE NONE	61 2 NEG NONE NONE		  
Silicon Potassium Water Silt Debris Sand/Dirt	ppm ppm scalar scalar scalar	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual	>230 >20 >.2 NONE NONE NONE	61 2 NEG NONE NONE NONE		
Silicon Potassium Water Silt Debris Sand/Dirt Appearance	ppm ppm scalar scalar scalar scalar	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual	>230 >20 >.2 NONE NONE NONE NORML	61 2 NEG NONE NONE NONE NORML		
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water	ppm ppm scalar scalar scalar scalar scalar	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual	>230 >20 >.2 NONE NONE NONE NORML NORML	61 2 NEG NONE NONE NONE NORML NORML NEG		
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium	ppm ppm scalar scalar scalar scalar scalar	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m	>230 >20 >.2 NONE NONE NONE NORML NORML	61 2 NEG NONE NONE NORML NORML NEG 2		
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron	ppm ppm scalar scalar scalar scalar scalar scalar	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual	>230 >20 >.2 NONE NONE NONE NORML NORML	61 2 NEG NONE NONE NONE NORML NORML NEG		
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium	ppm ppm scalar scalar scalar scalar scalar scalar	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m	>230 >20 >.2 NONE NONE NONE NORML NORML	61 2 NEG NONE NONE NORML NORML NEG 2 25 0		
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum	ppm ppm scalar scalar scalar scalar scalar scalar gpm ppm	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m	>230 >20 >.2 NONE NONE NONE NORML NORML	61 2 NEG NONE NONE NORML NORML NEG 2 25 0 0		
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese	ppm ppm scalar scalar scalar scalar scalar scalar ppm ppm	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>230 >20 >.2 NONE NONE NONE NORML NORML	61 2 NEG NONE NONE NORML NORML NEG 2 25 0		
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium	ppm ppm scalar scalar scalar scalar scalar scalar ppm ppm ppm	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m	>230 >20 >.2 NONE NONE NONE NORML NORML	61 2 NEG NONE NONE NORML NORML NEG 2 25 0 0		
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Malybdenum Manganese Magnesium Calcium	ppm ppm scalar scalar scalar scalar scalar scalar ppm ppm ppm	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>230 >20 >.2 NONE NONE NONE NORML NORML	61 2 NEG NONE NONE NORML NORML NEG 2 25 0 0 2 25 0 0 2 25 0 1 19		
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium	ppm ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>230 >20 >.2 NONE NONE NONE NORML NORML	61 2 NEG NONE NONE NORML NORML NEG 2 25 0 0 0 2 2 5 0		
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus	ppm ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>230 >20 >.2 NONE NONE NONE NORML NORML	61 2 NEG NONE NONE NORML NORML NEG 2 25 0 2 25 0 0 2 25 0 1 9 554 18		
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Barium Molybdenum Manganese Magnesium Calcium	ppm ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>230 >20 >.2 NONE NONE NONE NORML NORML	61 2 NEG NONE NONE NORML NORML NEG 2 25 0 25 0 0 2 25 (1 19 554		

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Submitted By: TECHNICIAN ACCOUNT





Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 Sample No. Received : GFL0123511 : 08 Jul 2024 Ŭ. Lab Number : 06230582 Tested : 10 Jul 2024 Unique Number : 11114075 Diagnosed : 10 Jul 2024 - Sean Felton Test Package : FLEET Certificate L2367 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)

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