

Machine Id **1904** Component **Transmission (Auto)** Fluid **CASTROL TRANSYND (--- GAL)**

RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

WEAR

Bearing and/or bushing wear is indicated.

CONTAMINATION

There is no indication of any contamination in the fluid.

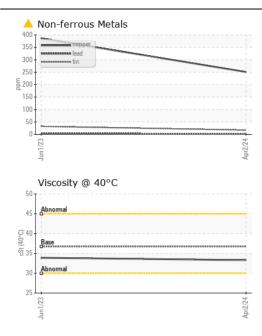
FLUID CONDITION

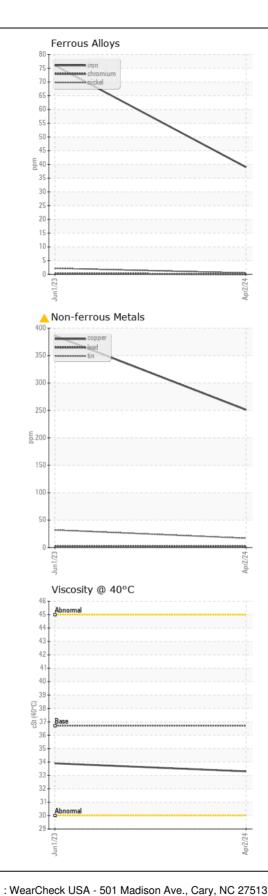
The condition of the fluid is acceptable for the time in service.

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Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		HRE0000113	WC0810277	
Sample Date		Client Info		02 Apr 2024	01 Jun 2023	
Machine Age	mls	Client Info		132853	110672	
Oil Age	mls	Client Info		0	0	
Filter Age	mls	Client Info		0	0	
Oil Changed		Client Info		Not Changd	Changed	
Filter Changed		Client Info		Not Changd	Changed	
Sample Status				ABNORMAL	ABNORMAL	
Iron			. 100	20	70	
Iron	ppm	ASTM D5185m	>160	39	76	
Chromium	ppm	ASTM D5185m	>5	0	<1	
Nickel	ppm	ASTM D5185m	>5	<1	2	
Titanium	ppm	ASTM D5185m	~	0	0	
Silver	ppm	ASTM D5185m	>5	8	4	
Aluminum	ppm	ASTM D5185m	>50	49	▲ 91 0	
Lead	ppm	ASTM D5185m	>50	2	2	
Copper	ppm	ASTM D5185m	>225	A 251	▲ 386	
Tin	ppm	ASTM D5185m	>10	▲ 17 0	▲ 32 0	
Vanadium	ppm	ASTM D5185m	NONE	0	0	
White Metal	scalar	*Visual	NONE	NONE	A MODER	
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
Silicon	ppm	ASTM D5185m	>20	6	10	
					10	
Potassium	ppm	ASTM D5185m	>20	0	1	
Potassium Water		ASTM D5185m WC Method	>20 >0.1	0 NEG	-	
				-	1	
Water	ppm	WC Method	>0.1	NEG	1 NEG	
Water Silt	ppm scalar	WC Method *Visual	>0.1 NONE	NEG NONE	1 NEG NONE	
Water Silt Debris	ppm scalar scalar	WC Method *Visual *Visual	>0.1 NONE NONE	NEG NONE NONE	1 NEG NONE NONE	
Water Silt Debris Sand/Dirt	ppm scalar scalar scalar	WC Method *Visual *Visual *Visual	>0.1 NONE NONE NONE	NEG NONE NONE NONE	1 NEG NONE NONE	
Water Silt Debris Sand/Dirt Appearance	ppm scalar scalar scalar scalar	WC Method *Visual *Visual *Visual *Visual	>0.1 NONE NONE NONE NORML	NEG NONE NONE NONE NORML	1 NEG NONE NONE NORE	
Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water	ppm scalar scalar scalar scalar scalar scalar	WC Method *Visual *Visual *Visual *Visual *Visual *Visual	>0.1 NONE NONE NORML NORML	NEG NONE NONE NORE NORML NEG	1 NEG NONE NONE NORML NORML NEG	
Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium	ppm scalar scalar scalar scalar scalar scalar scalar	WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m	>0.1 NONE NONE NORML NORML >0.1	NEG NONE NONE NORML NORML NEG	1 NEG NONE NONE NORML NORML NEG 12	
Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron	ppm scalar scalar scalar scalar scalar scalar ppm	WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m	>0.1 NONE NONE NORML NORML >0.1	NEG NONE NONE NORML NORML NEG 8 75	1 NEG NONE NONE NORML NORML NEG 12 107	
Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium	ppm scalar scalar scalar scalar scalar scalar ppm ppm	WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m	<ul> <li>&gt;0.1</li> <li>NONE</li> <li>NORML</li> <li>NORML</li> <li>&gt;0.1</li> <li>133</li> <li>0</li> </ul>	NEG NONE NONE NORML NORML NEG 8 75 0	1 NEG NONE NONE NORML NORML NEG 12 107 0	
Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum	ppm scalar scalar scalar scalar scalar scalar ppm ppm ppm	WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m	<ul> <li>&gt;0.1</li> <li>NONE</li> <li>NORML</li> <li>NORML</li> <li>&gt;0.1</li> <li>133</li> <li>0</li> </ul>	NEG NONE NONE NORML NORML NEG 8 75 0 0	1 NEG NONE NONE NORML NORML NEG 12 107 0 <1	
Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese	ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm	WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>0.1 NONE NONE NORML NORML >0.1 133 0 0	NEG NONE NONE NORML NORML NEG 8 75 0 0 0	1 NEG NONE NONE NORML NORML NEG 12 107 0 <1 1	
Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Barium Molybdenum Manganese	ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm	WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	<ul> <li>&gt;0.1</li> <li>NONE</li> <li>NORML</li> <li>NORML</li> <li>&gt;0.1</li> <li>133</li> <li>0</li> <li>0</li> <li>0</li> <li>0</li> <li>0</li> </ul>	NEG NONE NONE NORML NORML NEG 8 75 0 0 0 0 0 0	1 NEG NONE NONE NORML NORML NEG 12 107 0 <1 1 1 <1	
Water 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	WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	<ul> <li>&gt;0.1</li> <li>NONE</li> <li>NONE</li> <li>NORML</li> <li>&gt;0.1</li> <li>33</li> <li>0</li> <li>0</li> <li>27</li> </ul>	NEG NONE NONE NORML NORML NEG 8 75 0 0 0 0 0 0 0 167	1 NEG NONE NONE NORML NORML NEG 12 107 0 <1 1 1 1 <1 89	
Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Malybdenum Maganese Magnesium Calcium	ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm ppm	WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	<ul> <li>&gt;0.1</li> <li>NONE</li> <li>NONE</li> <li>NORML</li> <li>&gt;0.1</li> <li>133</li> <li>0</li> <li>0</li> <li>27</li> <li>293</li> </ul>	NEG NONE NONE NORML NORML NEG 8 75 0 0 0 0 0 0 167 236	1 NEG NONE NONE NORML NORML NEG 12 107 0 <11 1 <1 89 329	
Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Malybdenum Manganese Magnesium Calcium Phosphorus Zinc	ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm ppm ppm	WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	<ul> <li>&gt;0.1</li> <li>NONE</li> <li>NORME</li> <li>NORML</li> <li>&gt;0.1</li> <li>30</li> <li>0</li> <li>0</li> <li>27</li> <li>293</li> <li>0</li> </ul>	NEG NONE NONE NORML NORML NEG 8 75 0 0 0 0 0 0 0 0 167 236 39	1 NEG NONE NONE NORML NORML NEG 12 107 0 <1 107 0 <1 1 1 <1 89 329 10	
Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Molybdenum Manganese Magnesium Calcium	ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm ppm	WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	<ul> <li>&gt;0.1</li> <li>NONE</li> <li>NONE</li> <li>NORML</li> <li>&gt;0.1</li> <li>133</li> <li>0</li> <li>0</li> <li>27</li> <li>293</li> </ul>	NEG NONE NONE NORML NORML NEG 8 75 0 0 0 0 0 0 167 236	1 NEG NONE NONE NORML NORML NEG 12 107 0 <11 1 <1 89 329	

Contact/Location: Lisa DePasqua - TOWCHANC

WEAR ABNORMAL CONTAMINATION NORMAL FLUID CONDITION NORMAL





TOWN OF CHAPEL HILL 6900 MILLHOUSE RD CHAPEL HILL, NC : 17 Apr 2024 - Sean Felton US 27516 Contact: Lisa DePasqua ldepasqua@townofchapelhill.org T: (919)696-4941 F:



Diagnosed 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)

Received

Tested

: 15 Apr 2024

: 16 Apr 2024

Laboratory

Sample No.

Lab Number : 06149191

Unique Number : 10979269

: HRE0000113

Contact/Location: Lisa DePasqua - TOWCHANC Page 2 of 2