

#### Machine Id MANVEL E-124 Component Transmission (Auto)

# Transmission Oil (--- QTS)

### RECOMMENDATION

Resample at the next service interval to monitor.

#### **WEAR**

All component wear rates are normal.

## CONTAMINATION

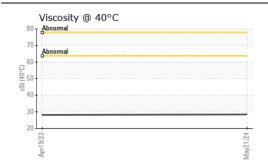
There is no indication of any contamination in the fluid.

# FLUID CONDITION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0941931	WC0792337	
Sample Date		Client Info		21 May 2024	19 Apr 2023	
Machine Age	mls	Client Info		0	0	
Oil Age	mls	Client Info		0	0	
Filter Age	mls	Client Info		0	0	
Oil Changed		Client Info		N/A	N/A	
Filter Changed		Client Info		N/A	N/A	
Sample Status				NORMAL	NORMAL	
			100		04	
Iron	ppm	ASTM D5185m	>160	38	31	
Chromium	ppm	ASTM D5185m	>5	<1 2	0	
Nickel	ppm	ASTM D5185m	>5	_	0	
Titanium Silver	ppm	ASTM D5185m ASTM D5185m	>5	<1	0	
	ppm			<1		
Aluminum	ppm	ASTM D5185m	>50	5	4	
Lead	ppm	ASTM D5185m	>50	2	1	
Copper	ppm	ASTM D5185m	>225	89	98	
Tin Vanadium	ppm	ASTM D5185m	>10	<1 0	0	
White Metal	ppm	ASTM D5185m		U NONE		
	scalar	*Visual	NONE		NONE	
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
Silicon	ppm	ASTM D5185m	>20	8	3	
Potassium	ppm	ASTM D5185m	>20	4	<1	
	ppin	ASTIVI DJIOJIII		•		
Water	ppiii	WC Method	>0.1	NEG	NEG	
Water Silt	scalar			-		
		WC Method	>0.1	NEG	NEG	
Silt	scalar	WC Method *Visual	>0.1 NONE	NEG NONE	NEG NONE	
Silt Debris	scalar scalar	WC Method *Visual *Visual	>0.1 NONE NONE	NEG NONE NONE	NEG NONE NONE	
Silt Debris Sand/Dirt	scalar scalar scalar	WC Method *Visual *Visual *Visual	>0.1 NONE NONE NONE	NEG NONE NONE NONE	NEG NONE NONE NONE	
Silt Debris Sand/Dirt Appearance	scalar scalar scalar scalar	WC Method *Visual *Visual *Visual *Visual	>0.1 NONE NONE NONE NORML	NEG NONE NONE NONE NORML	NEG NONE NONE NORML	
Silt Debris Sand/Dirt Appearance Odor Emulsified Water	scalar scalar scalar scalar scalar scalar	WC Method *Visual *Visual *Visual *Visual *Visual *Visual	>0.1 NONE NONE NORML NORML	NEG NONE NONE NORML NORML NEG	NEG NONE NONE NORML NORML NEG	
Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium	scalar scalar scalar scalar scalar scalar scalar	WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m	>0.1 NONE NONE NORML NORML	NEG NONE NONE NORML NORML NEG	NEG NONE NONE NORML NORML NEG	
Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron	scalar scalar scalar scalar scalar scalar ppm	WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m	>0.1 NONE NONE NORML NORML	NEG NONE NONE NORML NORML NEG 4 25	NEG NONE NONE NORML NORML NEG 5 31	
Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium	scalar scalar scalar scalar scalar scalar ppm ppm	WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m	>0.1 NONE NONE NORML NORML	NEG NONE NONE NORML NORML NEG 4 25 0	NEG NONE NONE NORML NORML NEG 5 31 0	
Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum	scalar scalar scalar scalar scalar scalar ppm ppm ppm	WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m	>0.1 NONE NONE NORML NORML	NEG NONE NONE NORML NORML NEG 4 25 0 <1	NEG NONE NONE NORML NORML NEG 5 31 0 <1	
Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese	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	NEG NONE NONE NORML NORML NEG 4 25 0 <1 1	NEG NONE NONE NORML NORML NEG 5 31 0 <1 <1	
Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Malybdenum Manganese Magnesium	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	>0.1 NONE NONE NORML NORML	NEG NONE NONE NORML NORML NEG 4 25 0 <1 1 1 3	NEG NONE NONE NORML NORML NEG 5 31 0 <1 <1 <1	
Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium	scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm	WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>0.1 NONE NONE NORML NORML	NEG NONE NONE NORML NORML NEG 4 25 0 <1 1 3 268	NEG NONE NONE NORML NORML NEG 5 31 0 <1 <1 <1 292	
Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium	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	>0.1 NONE NONE NORML NORML	NEG NONE NONE NORML NORML NEG 4 25 0 <1 1 3 268 165	NEG NONE NONE NORML NORML NEG 5 31 0 <1 <1 <1 <1 292 187	
Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Barium Molybdenum Malybdenum Manganese Magnesium Calcium Phosphorus	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	>0.1 NONE NONE NORML NORML	NEG NONE NONE NORML NORML NEG 4 25 0 <1 1 3 268 165 9	NEG NONE NONE NORML NORML S 31 0 <1 <1 <1 <1 292 187 0	
Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium	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	>0.1 NONE NONE NORML NORML	NEG NONE NONE NORML NORML NEG 4 25 0 <1 1 3 268 165	NEG NONE NONE NORML NORML NEG 5 31 0 <1 <1 <1 <1 292 187	

Contact/Location: M. LEWIS - SIDFRI



Ferrous Alloys 40 30 30 25 ظ 20 15 10 Ę 0 lor. Non-ferrous Metals 100 9 lead 80 71 6 mdo 50 40 30 20 10 ſ Vor19/7 Viscosity @ 40°C 80 Al 7! 70 65 60 () 55 0f 향 50 45 40 35 30 25 Apr19/23 May21/24



: WearCheck USA - 501 Madison Ave., Cary, NC 27513 SIDDONS-MARTIN EMERGENCY GROUP Laboratory Sample No. : WC0941931 Received : 22 May 2024 4401 REX RD FRIENDSWOOD, TX Lab Number : 06188127 Tested : 24 May 2024 Unique Number : 11044879 Diagnosed : 24 May 2024 - Sean Felton US 77546 Test Package : CONST Contact: M. LEWIS Certificate L2367 mlewis@siddons-martin.com 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. Т: Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F:

Contact/Location: M. LEWIS - SIDFRI Page 2 of 2