

# WEAR NORMAL CONTAMINATION NORMAL FLUID CONDITION NORMAL

#### Machine Id **E-ONE TRUCK 1** Component **Hydraulic System** Fluid {not provided} (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

### **WEAR**

All component wear rates are normal.

#### CONTAMINATION

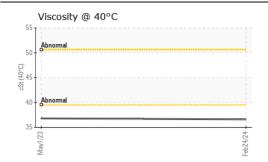
There is no indication of any contamination in the oil.

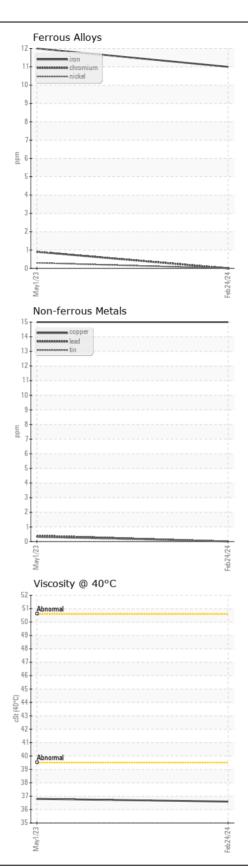
## **FLUID CONDITION**

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0890683	WC0801330	
Sample Date		Client Info		24 Feb 2024	01 May 2023	
Machine Age	hrs	Client Info		0	0	
Oil Age	hrs	Client Info		0	0	
Filter Age	hrs	Client Info		0	0	
Oil Changed		Client Info		N/A	N/A	
Filter Changed		Client Info		N/A	N/A	
Sample Status				NORMAL	NORMAL	
			. 00		10	
Iron	ppm	ASTM D5185m	>20	11	12	
Chromium Nickel	ppm	ASTM D5185m ASTM D5185m	>10	0	<1	
Titanium	ppm	ASTM D5185m	>10	0	<1 0	
Silver	ppm	ASTM D5185m		0	0	
Aluminum	ppm		. 10	0	1	
	ppm	ASTM D5185m ASTM D5185m	>10 >10	0	<1	
Lead	ppm			-		
Copper	ppm	ASTM D5185m	>75	15	15	
Tin	ppm	ASTM D5185m	>10	0	<1	
Vanadium White Metal	ppm	ASTM D5185m	NONE		0 NONE	
Yellow Metal	scalar	*Visual		NONE		
	scalar	*Visual	NONE	NONE	NONE	
Silicon	ppm	ASTM D5185m	>20	7	8	
Silicon	ppm	ASTM D5185m	>20	7	8	
Silicon Potassium	ppm	ASTM D5185m ASTM D5185m	>20 >20	7 0	8 1	
Silicon Potassium Water	ppm ppm	ASTM D5185m ASTM D5185m WC Method	>20 >20 >20 >0.1	7 0 NEG	8 1 NEG	
Silicon Potassium Water Silt	ppm ppm scalar	ASTM D5185m ASTM D5185m WC Method *Visual	>20 >20 >0.1 NONE	7 0 NEG NONE	8 1 NEG NONE	  
Silicon Potassium Water Silt Debris	ppm ppm scalar scalar	ASTM D5185m ASTM D5185m WC Method *Visual *Visual	>20 >20 >0.1 NONE NONE	7 0 NEG NONE NONE	8 1 NEG NONE NONE	 
Silicon Potassium Water Silt Debris Sand/Dirt	ppm ppm scalar scalar scalar	ASTM D5185m ASTM D5185m WC Method *Visual *Visual	>20 >20 >0.1 NONE NONE NONE	7 0 NEG NONE NONE NONE	8 1 NEG 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	>20 >20 >0.1 NONE NONE NONE NORML	7 0 NEG NONE NONE NONE NORML	8 1 NEG NONE NONE NONE NORML	
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water	ppm ppm scalar scalar scalar scalar scalar scalar	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual	>20 >20 >0.1 NONE NONE NONE NORML	7 0 NEG NONE NONE NONE NORML NORML NEG	8 1 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 scalar	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m	>20 >20 >0.1 NONE NONE NONE NORML	7 0 NEG NONE NONE NORML NORML NEG	8 1 NEG NONE NONE NORML NORML NEG 3	
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron	ppm ppm scalar scalar scalar scalar scalar scalar ppm	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m	>20 >20 >0.1 NONE NONE NONE NORML	7 0 NEG NONE NONE NORML NORML NEG 1	8 1 NEG NONE NONE NORML NORML NEG 3 17	
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium	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	>20 >20 >0.1 NONE NONE NONE NORML	7 0 NEG NONE NONE NORML NORML NEG 1 13 <1	8 1 NEG NONE NONE NORML NORML NEG 3 17 0	
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium	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	>20 >20 >0.1 NONE NONE NONE NORML	7 0 NEG NONE NONE NORML NORML NEG 1 13 <1 <1	8 1 NEG NONE NONE NORML NORML NEG 3 17 0 3	
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 ppm	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>20 >20 >0.1 NONE NONE NONE NORML	7 0 NEG NONE NONE NORML NORML NEG 1 13 <1 13 <1 2 1	8 1 NEG NONE NONE NORML NORML NEG 3 17 0 3 (17	
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	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>20 >20 >0.1 NONE NONE NONE NORML	7 0 NEG NONE NONE NORML NORML NEG 1 13 <1 <1 <1 <1 0 26	8 1 NEG NONE NONE NORML NORML NEG 3 17 0 3 17 0 3 4 17	
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 ASTM D5185m	>20 >20 >0.1 NONE NONE NONE NORML	7 0 NEG NONE NONE NORML NORML NEG 1 13 <1 <1 <1 0 26 623	8 1 NEG NONE NONE NORML NORML NEG 3 17 0 3 4 17 0 3 3 4 17	
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium	ppm ppm scalar scalar scalar scalar scalar scalar 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	>20 >20 >0.1 NONE NONE NONE NORML	7 0 NEG NONE NONE NORML NORML NEG 1 13 <1 (1 13 <1 (1) 26 623 450	8 1 NEG NONE NONE NORML NORML NEG 3 17 0 3 (17 0 3 (17 0 3 3 (17 0 3 3 (17) 0 3 (17) 0 3 (17) 0 3 (17) 0 5 3 (17) 0 5 3 (17) 0 5 3 (17) 0 5 3 (17) 0 5 3 (17) 0 5 3 (17) 0 5 3 (17) 0 5 3 (17) 0 5 3 (17) 0 1 (17) 0 1 (17) 0 1 (17) 0 (17) (17) (17) (17) (17) (17) (17) (17)	
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc	ppm ppm scalar scalar scalar scalar scalar ppm 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 ASTM D5185m	>20 >20 >0.1 NONE NONE NONE NORML	7 0 NEG NONE NONE NORML NORML NEG 1 13 <1 (1 13 <1 <1 (1 0 26 623 450 558	8 1 NEG NONE NONE NORML NORML NEG 3 17 0 3 17 0 3 4 17 0 3 3 510 653	
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium	ppm ppm scalar scalar scalar scalar scalar scalar 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	>20 >20 >0.1 NONE NONE NONE NORML	7 0 NEG NONE NONE NORML NORML NEG 1 13 <1 (1 13 <1 (1) 26 623 450	8 1 NEG NONE NONE NORML NORML NEG 3 17 0 3 (17 0 3 (17 0 3 3 (17 0 3 3 (17) 0 3 (17) 0 3 (17) 0 3 (17) 0 5 3 (17) 0 5 3 (17) 0 5 3 (17) 0 5 3 (17) 0 5 3 (17) 0 5 3 (17) 0 5 3 (17) 0 5 3 (17) 0 5 3 (17) 0 1 (17) 0 1 (17) 0 1 (17) 0 (17) (17) (17) (17) (17) (17) (17) (17)	

Contact/Location: JEFF WESLEY - GRAGRAAL







**GRAYSVILLE FIRE DEPT** Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 Sample No. : WC0890683 Received : 18 Mar 2024 P.O. BOX 130 Lab Number : 06121256 Tested : 19 Mar 2024 GRAYSVILLE, AL Unique Number : 10930089 Diagnosed : 19 Mar 2024 - Wes Davis US 35073-0130 Test Package : FLEET Contact: JEFF WESLEY 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. T: (205)410-8136

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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Contact/Location: JEFF WESLEY - GRAGRAAL