

WEAR NORMAL CONTAMINATION NORMAL FLUID CONDITION NORMAL

Machine Id **CR-143 E-2411** Component **Transfer Case** Fluid {not provided} (--- QTS)

RECOMMENDATION

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

WEAR

All component wear rates are normal.

CONTAMINATION

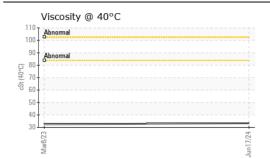
There is no indication of any contamination in the oil.

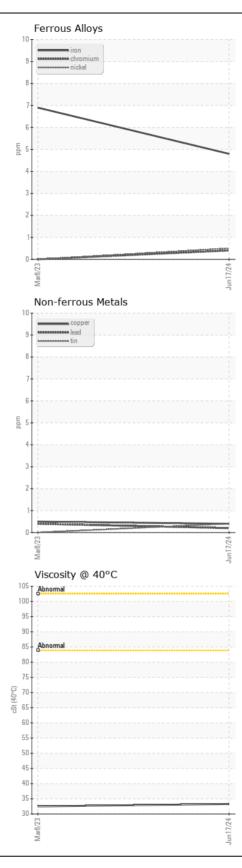
FLUID CONDITION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0941910	WC0571084	
Sample Date		Client Info		17 Jun 2024	08 Mar 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	
Iron		ASTM D5185m	>500	5	7	
Iron Chromium	ppm	ASTM D5185m	>500 >5	-	0	
Nickel	ppm	ASTM D5185m		<1	-	
Titanium	ppm	ASTM D5185m	>5	<1 <1	0	
Silver	ppm	ASTM D5185m		<1 0	<1	
Aluminum	ppm		>1E	2	0	
Lead	ppm	ASTM D5185m ASTM D5185m	>45 >150	2 <1	<1	
	ppm	ASTM D5185m	>100	<1		
Copper	ppm	ASTM D5185m		<1 <1	<1	
Tin	ppm		>5	<1	0	
Vanadium White Metal	ppm	ASTM D5185m	NONE	-	NONE	
	scalar	*Visual		NONE	-	
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
Silicon	ppm	*Visual ASTM D5185m	>85	NONE 6	NONE 11	
Silicon	ppm	ASTM D5185m	>85	6	11	
Silicon Potassium	ppm	ASTM D5185m ASTM D5185m	>85 >20	6 <1	11	
Silicon Potassium Water	ppm ppm	ASTM D5185m ASTM D5185m WC Method	>85 >20 >0.2	6 <1 NEG	11 1 NEG	
Silicon Potassium Water Silt	ppm ppm scalar	ASTM D5185m ASTM D5185m WC Method *Visual	>85 >20 >0.2 NONE	6 <1 NEG NONE	11 1 NEG NONE	
Silicon Potassium Water Silt Debris	ppm ppm scalar scalar	ASTM D5185m ASTM D5185m WC Method *Visual *Visual	>85 >20 >0.2 NONE NONE	6 <1 NEG NONE NONE	11 1 NEG NONE NONE	
Silicon Potassium Water Silt Debris Sand/Dirt	ppm ppm scalar scalar scalar	ASTM D5185m ASTM D5185m WC Method *Visual *Visual	>85 >20 >0.2 NONE NONE NONE	6 <1 NEG NONE NONE NONE	11 1 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	>85 >20 >0.2 NONE NONE NONE NORML	6 <1 NEG NONE NONE NONE NORML	11 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	>85 >20 >0.2 NONE NONE NONE NORML	6 <1 NEG NONE NONE NONE NORML NORML NEG	11 1 NEG 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	>85 >20 >0.2 NONE NONE NONE NORML	6 <1 NEG NONE NONE NORML NORML NEG	11 1 NEG NONE NONE NORML NORML NEG	
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron	ppm ppm scalar scalar scalar scalar scalar scalar gpm	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m	>85 >20 >0.2 NONE NONE NONE NORML	6 <1 NEG NONE NONE NORML NORML NEG 1 28	11 1 NEG NONE NONE NORML NORML NEG <1 42	
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	>85 >20 >0.2 NONE NONE NONE NORML	6 <1 NEG NONE NONE NORML NORML NEG 1 28 0	11 1 NEG NONE NONE NORML NORML NEG <1 42 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 ppm	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m	>85 >20 >0.2 NONE NONE NONE NORML	6 <1 NEG NONE NONE NORML NORML NEG 1 28 0 <1	11 1 NEG NONE NONE NORML NORML NEG <1 42 0 <1	
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	>85 >20 >0.2 NONE NONE NONE NORML	6 <1 NEG NONE NONE NORML NORML NEG 1 28 0 <1 28	11 1 NEG NONE NONE NORML NORML NEG <1 42 0 <1 1	
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	>85 >20 >0.2 NONE NONE NONE NORML	6 <1 NEG NONE NONE NORML NORML NEG 1 28 0 <1 <1 <1 2	11 1 NEG NONE NONE NORML NORML NEG <1 42 0 <1 42 0 <1 1 1	
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 ppm	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>85 >20 >0.2 NONE NONE NONE NORML	6 <1 NEG NONE NONE NORML NORML NEG 1 28 0 <1 <1 <1 2 285	11 1 NEG NONE NONE NORML NORML NEG <1 42 0 <1 1 1 1 336	
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 gpm 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	>85 >20 >0.2 NONE NONE NONE NORML	6 <1 NEG NONE NONE NORML NORML NEG 1 28 0 <1 <1 2 1 28 0 <1 <1 2 285 148	11 1 NEG NONE NONE NORML NORML NEG <1 42 0 <1 42 0 <1 1 1 1 336 192	
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 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	>85 >20 >0.2 NONE NONE NONE NORML	6 <1 NEG NONE NONE NORML NORML NEG 1 28 0 <1 <1 21 2 285 148 6	11 1 NEG NONE NONE NORML NORML NEG <1 42 0 <1 42 0 <1 1 1 336 192 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 gpm 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	>85 >20 >0.2 NONE NONE NONE NORML	6 <1 NEG NONE NONE NORML NORML NEG 1 28 0 <1 <1 2 1 28 0 <1 <1 2 285 148	11 1 NEG NONE NONE NORML NORML NEG <1 42 0 <1 42 0 <1 1 1 1 336 192	

Contact/Location: Natalie Perrone - SIDFRI





Received

Diagnosed

Tested



SIDDONS-MARTIN EMERGENCY GROUP : WearCheck USA - 501 Madison Ave., Cary, NC 27513 : 17 Jun 2024 4401 REX RD FRIENDSWOOD, TX : 18 Jun 2024 : 18 Jun 2024 - Wes Davis US 77546 **Contact: Natalie Perrone** To discuss this sample report, contact Customer Service at 1-800-237-1369. nperrone@siddons-martin.com * - 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:

Report Id: SIDFRI [WUSCAR] 06212106 (Generated: 06/21/2024 23:26:09) Rev: 1

Laboratory

Sample No.

Certificate L2367

Lab Number : 06212106

Unique Number : 11084970

Test Package : CONST

: WC0941910

Contact/Location: Natalie Perrone - SIDFRI Page 2 of 2