

WEAR NORMAL CONTAMINATION NORMAL FLUID CONDITION NORMAL

Machine Id **PIERCE 711** Component **Hydraulic System** Fluid {not provided} (---- QTS)

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

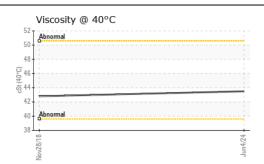
There is no indication of any contamination in the oil.

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		WC0947560	WCM1402774	
Sample Date		Client Info		04 Jun 2024	28 Nov 2018	
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	Not Changd	
Filter Changed		Client Info		N/A	Not Changd	
Sample Status				NORMAL	ABNORMAL	
Iron		ASTM D5185m	. 20	°	0	
Iron Chromium	ppm	ASTM D5185m	>20	3	2	
Nickel	ppm	ASTM D5185m	>10	<1	<1	
	ppm		>10	<1	0	
Titanium	ppm	ASTM D5185m		<1	0	
Silver	ppm	ASTM D5185m	. 10	<1 2	0	
Aluminum	ppm	ASTM D5185m	>10	2	<1	
Lead	ppm	ASTM D5185m	>10	<1 2	0	
Copper	ppm	ASTM D5185m	>75	_	-	
Tin	ppm	ASTM D5185m	>10	<1	0	
Vanadium	ppm	ASTM D5185m	NONE	<1	0	
White Metal	scalar	*Visual	NONE	NONE	NONE	
Yellow Metal	scalar					
		*Visual	NONE	NONE	NONE	
Silicon	ppm	ASTM D5185m	>20	3	3	
Silicon	ppm	ASTM D5185m	>20	3	3	
Silicon Potassium	ppm	ASTM D5185m ASTM D5185m	>20 >20	3	3 <1	
Silicon Potassium Water	ppm ppm	ASTM D5185m ASTM D5185m WC Method	>20 >20 >20 >0.1	3 1 NEG	3 <1 NEG	
Silicon Potassium Water Silt	ppm ppm scalar	ASTM D5185m ASTM D5185m WC Method *Visual	>20 >20 >0.1 NONE	3 1 NEG NONE	3 <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	3 1 NEG NONE NONE	3 <1 NEG NONE MODER	
Silicon Potassium Water Silt Debris Sand/Dirt	ppm ppm scalar scalar scalar	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual	>20 >20 >0.1 NONE NONE NONE	3 1 NEG NONE NONE NONE	3 <1 NEG NONE MODER 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	3 1 NEG NONE NONE NONE NORML	3 <1 NEG NONE MODER 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	3 1 NEG NONE NONE NORML NORML NEG	3 <1 NEG NONE MODER NONE NORML NEG	
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium	ppm ppm scalar scalar scalar scalar scalar scalar ppm	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m	>20 >20 >0.1 NONE NONE NONE NORML	3 1 NEG NONE NONE NORML NORML NEG	3 <1 NEG NONE MODER NONE NORML NORML NEG <1	
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron	ppm ppm scalar scalar scalar scalar scalar scalar gppm	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m	>20 >20 >0.1 NONE NONE NONE NORML	3 1 NEG NONE NONE NORML NORML NEG <1 19	3 <1 NEG NONE MODER NORML NORML NEG <1 2	
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	3 1 NEG NONE NONE NORML NORML NEG <1 19 1	3 <1 NEG NONE NONE NORML NORML NORML NEG <1 2 0	
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum	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	3 1 NEG NONE NONE NORML NORML NEG <1 19 1	3 <1 NEG NONE MODER NORML NORML NEG <1 2 0 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 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	3 1 NEG NONE NONE NORML NORML NEG <1 19 1 19 1	3 <1 NEG NONE NONE NORML NORML NEG <1 2 0 0 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 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	>20 >20 >0.1 NONE NONE NONE NORML	3 1 NEG NONE NONE NORML NORML NEG <1 19 1 19 1 19 2 1 19 2 1	3 <1 NEG NONE NONE NORML NORML NEG <1 2 0 0 0 0 0 0 0	
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Malybdenum 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	>20 >20 >0.1 NONE NONE NONE NORML	3 1 NEG NONE NONE NORML NORML NEG <1 19 1 19 <1 19 <1 159 393	3 <1 NEG NONE NONE NORML NORML NEG <1 2 0 0 0 0 0 0 0 0 0 95	
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	>20 >20 >0.1 NONE NONE NONE NORML	3 1 NEG NONE NONE NORML NORML NEG <1 19 1 19 1 19 2 1 19 393 482	3 <1 NEG NONE NONE NORML NORML NEG <1 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 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 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	>20 >20 >0.1 NONE NONE NONE NORML	3 1 NEG NONE NONE NORML NORML NEG <1 19 1 19 1 19 1 19 393 482 594	3 <1 NEG NONE NONE NORML NORML NORML 0 <th></th>	
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	>20 >20 >0.1 NONE NONE NONE NORML	3 1 NEG NONE NONE NORML NORML NEG <1 19 1 19 1 19 2 1 19 393 482	3 <1 NEG NONE NONE NORML NORML NEG <1 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	

Submitted By: RANDY PRICE



Ferrous Alloys 10 iron. ehror nickel 8 6 bpm Ę 0 Jun4/24 -Non-ferrous Metals 10 🖛 lead 8 bpm 0 Vov28 Viscosity @ 40°C 52-51 Abi 50 49 48 47 46 (0-04) (0-04) 45 44 43 42 41 40 Al 39 38 Jun4/24 -Nov28/18



ANAB	Sample No.	: WC0947560	Received	: 27 Jun 2024	300 NORTH MAIN		
ACCREDITED	Lab Number	: 06222779	Tested	: 28 Jun 2024	DAYTON, OH		
TESTING LABORATORY	Unique Number	: 11100976	Diagnosed	: 28 Jun 2024 - Wes Davis	US 45404		
Certificate L2367	Test Package	: FLEET	-		Contact: MIKE RICE		
To discuss this sample report, contact Customer Service at 1-800-237-1369.							
* - Denotes	* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.						
Statements	F:						

: WearCheck USA - 501 Madison Ave., Cary, NC 27513

DAYTON FIRE DEPT TH MAIN ON, OH S 45404 **KE RICE**

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Laboratory

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