

# WEAR NORMAL CONTAMINATION NORMAL FLUID CONDITION NORMAL

#### Machine Id **PIERCE 51-75** Component **Front 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

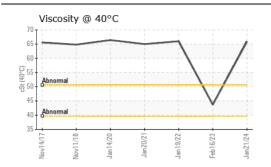
There is no indication of any contamination in the oil.

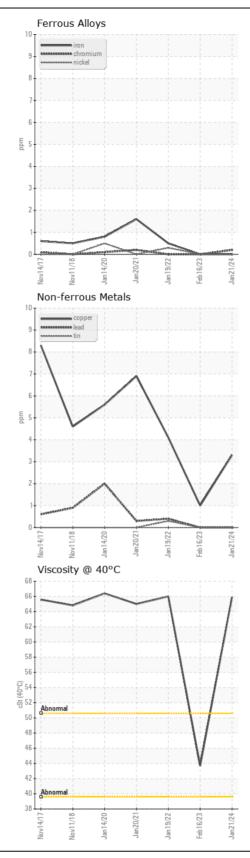
## **FLUID CONDITION**

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0890517	WC0777564	WC0639619
Sample Date		Client Info		21 Jan 2024	16 Feb 2023	19 Jan 2022
Machine Age	mls	Client Info		37783	0	0
Oil Age	mls	Client Info		258	0	0
Filter Age	mls	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	Not Changd
Filter Changed		Client Info		N/A	N/A	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL
			00	•	0	
Iron	ppm	ASTM D5185m	>20	0	0	<1
Chromium	ppm	ASTM D5185m	>10	<1	0	0
Nickel	ppm	ASTM D5185m	>10	0	0	<1
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	. 10	0	0	0
Aluminum	ppm	ASTM D5185m	>10	0	0	0
Lead	ppm	ASTM D5185m	>10	0	0	<1
Copper	ppm	ASTM D5185m	>75	3	1	4
Tin	ppm	ASTM D5185m	>10	0	0	<1
Vanadium	ppm	ASTM D5185m		0		
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Vallau Matal	eeeler	*\/:		-	-	
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal Silicon	scalar ppm	*Visual ASTM D5185m	NONE	-	-	NONE 1
				NONE	NONE	
Silicon	ppm	ASTM D5185m	>20	NONE 0	NONE <1	1
Silicon Potassium	ppm	ASTM D5185m ASTM D5185m	>20 >20	NONE 0 0	NONE <1 0	1
Silicon Potassium Water	ppm ppm	ASTM D5185m ASTM D5185m WC Method	>20 >20 >0.1	NONE 0 0 NEG	<1 0 NEG	1 1 NEG
Silicon Potassium Water Silt	ppm ppm scalar	ASTM D5185m ASTM D5185m WC Method *Visual	>20 >20 >0.1 NONE	NONE 0 0 NEG LIGHT	<pre>NONE &lt;1 0 NEG NONE</pre>	1 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	0 0 NEG LIGHT NONE	<pre>NONE &lt;1 0 NEG NONE NONE</pre>	1 1 NEG NONE LIGHT
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	NONE 0 NEG LIGHT NONE NONE	NONE <1 0 NEG NONE NONE NONE	1 1 NEG NONE LIGHT 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	NONE 0 NEG LIGHT NONE NONE NORML	NONE <1 0 NEG NONE NONE NONE NORML	1 1 NEG NONE LIGHT 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	NONE 0 NEG LIGHT NONE NONE NORML NEG	NONE <1 0 NEG NONE NONE NONE NORML NORML	1 NEG NONE LIGHT NONE NORML NORML NEG
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor	ppm ppm scalar scalar scalar scalar scalar scalar ppm	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual	>20 >20 >0.1 NONE NONE NONE NORML	NONE 0 NEG LIGHT NONE NONE NORML NORML	NONE <1 0 NEG NONE NONE NORML NORML NEG	1 NEG NONE LIGHT NONE NORML NORML
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium	ppm ppm scalar scalar scalar scalar scalar scalar gpm	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m	>20 >20 >0.1 NONE NONE NONE NORML	NONE 0 NEG LIGHT NONE NONE NORML NEG	NONE <1 0 NEG NONE NONE NORML NORML NEG 0	1 1 NEG NONE LIGHT NORML NORML NEG 2
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	>20 >20 >0.1 NONE NONE NONE NORML	NONE 0 NEG LIGHT NONE NORML NORML NEG <1 0	NONE <1 0 NEG NONE NONE NORML NORML NEG 0 <1	1 NEG NONE LIGHT NORML NORML NEG 2 <1
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	NONE 0 NEG LIGHT NONE NORML NORML NEG <1 0 <1	NONE <1 0 NEG NONE NONE NORML NORML NEG 0 <1 0	1 NEG NONE LIGHT NONE NORML NORML NEG 2 2 <1 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 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	NONE 0 NEG LIGHT NONE NONE NORML NEG <1 0 <1 0	NONE I 0 NONE NONE NONE NONE NORML NORML NORML NORML NORML 0 <1 0 2	1 1 NEG NONE LIGHT NORML NORML NEG 2 <1 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	>20 >20 >0.1 NONE NONE NONE NORML	NONE 0 NEG LIGHT NONE NORML NORML NEG <1 0 <1 0 <1	NONE <1 0 NORE NONE NORML NORML NORML NORML NORML 0 <1 0 2 <1	1 NEG NONE LIGHT NORML NORML NEG 2 <1 0 <1 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	NONE 0 NEG LIGHT NONE NORML NORML NORML NEG <1 0 <1 0 <1 0 <1 0	NONE    <1   0   NEG   NONE   NORML   NORML   NEG   0   <1   0   2   <1   12	1 NEG NONE LIGHT NONE NORML NEG 2 <1 0 <1 0 <1
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	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	NONE 0 NEG LIGHT NONE NONE NORML NCRML NEG <1 0 <1 0 <1 0 <1 0 112	NONE <1 0 NONE NONE NONE NONE NORML NORML NORML NORML 0 <1 0 <2 <1 0 <2 <1 0 <2 <1 74	1 NEG NONE LIGHT NORML NORML NEG 2 ( <1 0 ( <1 0 ( <1 0 ( <1 129
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	NONE 0 NEG LIGHT NONE NORML NORML NEG <1 0 <1 0 <1 0 <1 0 <1 0 112 620	NONE <1 0 NEG NONE NONE NORML NORML NEG 0 <1 0 2 <1 12 74 344	1 NEG NONE LIGHT NORML NORML NORML 2  2  2  2    2    2     2    2    4    4    4    4    4    4    4    4    4    4    4   4    4    4   4    4   4    4   4    1   1    1    1   1    1   1    1   1   1    1   1   1   1   1   1   1   1   1   1   1   1   1   1   1    1   1   1   1   1    1

Submitted By: RANDY PRICE





COLLEGE STATION FIRE DEPT 1550 GEORGE BUSH DR WEST COLLEGE STATION, TX US 77840 Contact: MIKE REND

Certificate 12367 Test Package : FLEET To discuss this sample report, contact Customer Service at 1-800-237-1369.

Lab Number : 06084067

Unique Number : 10871512

Laboratory

Sample No.

\* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

: WC0890517

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

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

Received

Diagnosed

Tested

:08 Feb 2024

: 09 Feb 2024

: 11 Feb 2024 - Don Baldridge

T: (979)764-3866 F:

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