

WEAR NORMAL CONTAMINATION NORMAL FLUID CONDITION NORMAL

Machine Id **PIERCE TRUCK 73** Component **Rear Hydraulic System** Fluid

NOT GIVEN (--- 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.

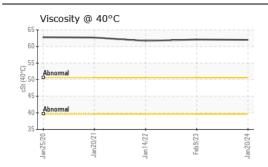
FLUID CONDITION

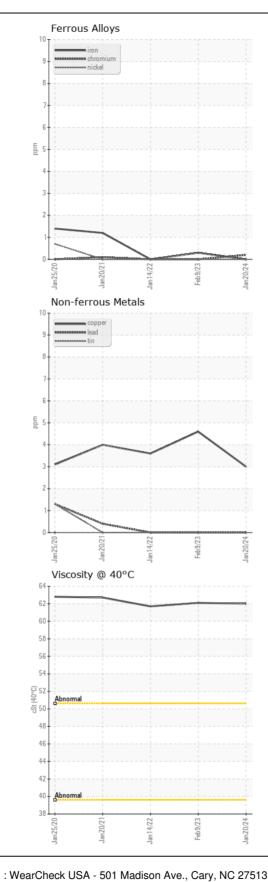
The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0890581	WC0777583	WC0639754
Sample Date		Client Info		20 Jan 2024	09 Feb 2023	14 Jan 2022
Machine Age	hrs	Client Info		45	0	45
Oil Age	hrs	Client Info		45	0	45
Filter Age	hrs	Client Info		0	0	45
Oil Changed		Client Info		N/A	N/A	N/A
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL
Iron	ppm	ASTM D5185m	>20	0	<1	0
Chromium	ppm	ASTM D5185m	>10	<1	0	0
Nickel	ppm	ASTM D5185m	>10	0	0	0
Titanium	ppm	ASTM D5185m	-	0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>10	0	<1	0
Lead	ppm	ASTM D5185m	>10	0	0	0
Copper	ppm	ASTM D5185m	>75	3	5	4
Tin	ppm	ASTM D5185m	>10	0	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal Silicon Potassium	ppm	ASTM D5185m	>20	NONE 0 0	NONE 2 0	NONE <1 0
Silicon				0	2	<1
Silicon Potassium	ppm	ASTM D5185m ASTM D5185m	>20 >20	0	2 0	<1 0
Silicon Potassium Water	ppm ppm	ASTM D5185m ASTM D5185m WC Method	>20 >20 >0.1	0 0 NEG	2 0 NEG	<1 0 NEG
Silicon Potassium Water Silt	ppm ppm scalar	ASTM D5185m ASTM D5185m WC Method *Visual	>20 >20 >0.1 NONE	0 0 NEG NONE	2 0 NEG NONE	<1 0 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 NONE NONE	2 0 NEG NONE NONE	<1 0 NEG NONE VLITE
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	0 0 NEG NONE NONE NONE	2 0 NEG NONE NONE NONE	<1 0 NEG NONE VLITE 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	0 0 NEG NONE NONE NONE NORML	2 0 NEG NONE NONE NONE NORML	<1 0 NEG NONE VLITE NONE NORML
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor	ppm ppm scalar scalar scalar scalar scalar scalar	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual	>20 >20 >0.1 NONE NONE NONE NORML	0 0 NEG NONE NONE NONE NORML	2 0 NEG NONE NONE NONE NORML NORML	<1 0 NEG NONE VLITE NONE NORML NORML
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water	ppm ppm scalar scalar scalar scalar scalar scalar ppm	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual	>20 >20 >0.1 NONE NONE NONE NORML	0 0 NEG NONE NONE NONE NORML NORML NEG	2 0 NEG NONE NONE NONE NORML NEG	<1 0 NEG NONE VLITE 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	0 0 NEG NONE NONE NORML NORML NEG	2 0 NEG NONE NONE NORML NORML NEG 1	<1 0 NEG NONE VLITE 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 gpm	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m	>20 >20 >0.1 NONE NONE NONE NORML	0 0 NEG NONE NONE NORML NORML NEG <1 0	2 0 NEG NONE NONE NORML NORML NEG 1 0	<1 0 NEG NONE VLITE NORML NORML NEG 1 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	>20 >20 >0.1 NONE NONE NONE NORML	0 0 NEG NONE NONE NORML NORML NEG <1 0 <1	2 0 NEG NONE NONE NORML NORML NORML NEG 1 0 0	<1 0 NEG NONE VLITE NONE NORML NORML NEG 1 0 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	0 0 NEG NONE NONE NORML NORML NEG <1 0 <1	2 0 NEG NONE NONE NORML NORML NEG 1 0 0 0	<1 0 NEG NONE VLITE NORML NORML NEG 1 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	0 0 NEG NONE NONE NORML NORML NEG <1 0 <1 0 <1	2 0 NEG NONE NONE NORML NORML NEG 1 0 0 0 2	<1 0 NEG NONE VLITE NORML NORML NEG 1 0 0 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	0 0 NEG NONE NONE NORML NORML NEG <1 0 <1 0 <1 0 <1 0 <1 0	2 0 NEG NONE NONE NORML NORML NEG 1 0 0 0 0 1 3	<1 0 NEG NONE VLITE NONE NORML NORML NEG 1 0 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	0 0 NEG NONE NONE NORML NORML NEG <1 0 <1 0 <1 0 <1 0 82	2 0 NEG NONE NONE NORML NORML NEG 1 0 0 0 2 1 3 102	<1 0 NEG VLITE VLITE NORML NORML NEG 1 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 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	0 0 NEG NONE NONE NORML NORML NEG <1 0 <1 0 <1 0 <1 0 <1 0 82 555	2 0 NEG NONE NONE NORML NORML NEG 1 0 0 0 (1 0 0 0 1 3 1 02 521	<1 0 NEG NONE VLITE NORML NORML NORML 1 0 0 0 0 0 0 109 583

Report Id: NORBIR [WUSCAR] 06084072 (Generated: 02/09/2024 21:27:04) Rev: 1

Submitted By: RANDY PRICE





NORTH SHELBY COUNTY FIRE DEPT 4617 DALE RD BIRMINGHAM, AL : 09 Feb 2024 - Wes Davis US 35242 Contact: MARK TURNER

Test Package : FLEET Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369.

: WC0890581

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

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

Received

Diagnosed

Tested

:08 Feb 2024

:09 Feb 2024

T: (205)991-6570 F:

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Laboratory

Sample No.

Lab Number : 06084072

Unique Number : 10871517

Submitted By: RANDY PRICE

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