



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
PIERCE 2223
 Component
Transmission (Auto)
 Fluid
BG PRODUCTS Universal Synthetic Trans Oil 312 (--- QTS)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0804028	WC0741899	WC0666073
Sample Date		Client Info		22 May 2023	03 Nov 2022	03 Mar 2022
Machine Age	hrs	Client Info		9074	8914	8624
Oil Age	hrs	Client Info		988	823	533
Filter Age	hrs	Client Info		988	823	533
Oil Changed		Client Info		Changed	Not Changd	Not Changd
Filter Changed		Client Info		Changed	Not Changd	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>160	22	23	17
Chromium	ppm	ASTM D5185m	>5	0	0	0
Nickel	ppm	ASTM D5185m	>5	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	>5	0	0	<1
Aluminum	ppm	ASTM D5185m	>50	20	19	13
Lead	ppm	ASTM D5185m	>50	0	1	1
Copper	ppm	ASTM D5185m	>225	4	5	4
Tin	ppm	ASTM D5185m	>10	4	4	3
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	LIGHT
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

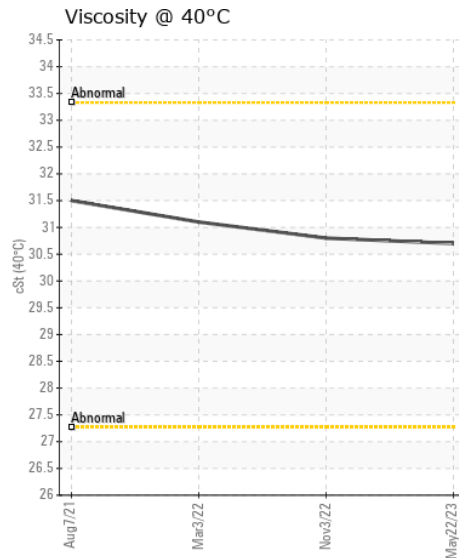
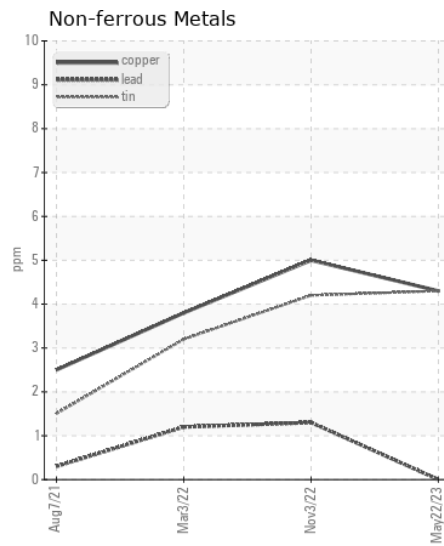
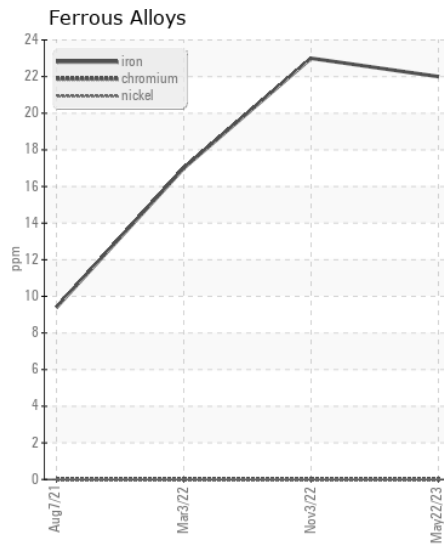
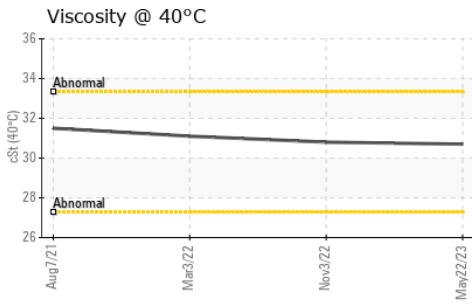
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>20	4	6	4
Potassium	ppm	ASTM D5185m	>20	2	4	2
Water		WC Method	>0.1	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		16	15	14
Boron	ppm	ASTM D5185m		224	237	235
Barium	ppm	ASTM D5185m		0	2	0
Molybdenum	ppm	ASTM D5185m		<1	<1	<1
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		0	4	1
Calcium	ppm	ASTM D5185m		215	259	218
Phosphorus	ppm	ASTM D5185m		568	578	591
Zinc	ppm	ASTM D5185m		0	12	0
Sulfur	ppm	ASTM D5185m		2319	2277	1765
Visc @ 40°C	cSt	ASTM D445		30.7	30.8	31.1



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0804028
Lab Number : 05857587
Unique Number : 10486942
Test Package : CONST

Received : 25 May 2023
Tested : 26 May 2023
Diagnosed : 28 May 2023 - Don Baldrige

TOWN OF CARY
 420 JAMES JACKSON AVENUE
 CARY, NC
 US 27513

Contact: BRANDON PASINSKI
 brandon.pasinski@townofcary.org

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.

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

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