



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
PIERCE 0077
 Component
Transmission (Manual)
 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		WC0804021	WC0708761	WC0610936
Sample Date		Client Info		11 May 2023	23 Aug 2022	05 Aug 2021
Machine Age	hrs	Client Info		7288	6544	5678
Oil Age	hrs	Client Info		1987	1243	377
Filter Age	hrs	Client Info		1987	1243	377
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	>200	47	36	16
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	>7	0	0	<1
Aluminum	ppm	ASTM D5185m	>25	9	8	4
Lead	ppm	ASTM D5185m	>45	3	2	2
Copper	ppm	ASTM D5185m	>225	11	8	4
Tin	ppm	ASTM D5185m	>10	2	2	<1
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

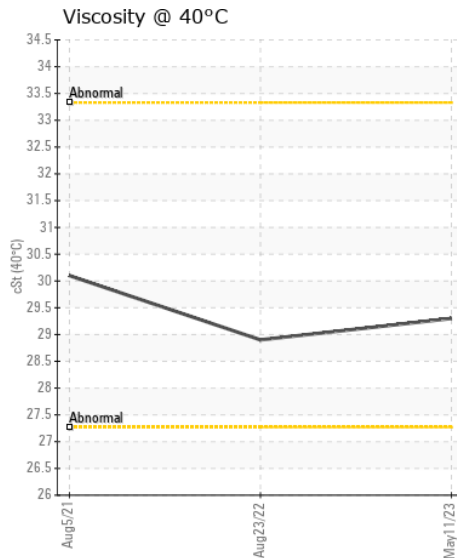
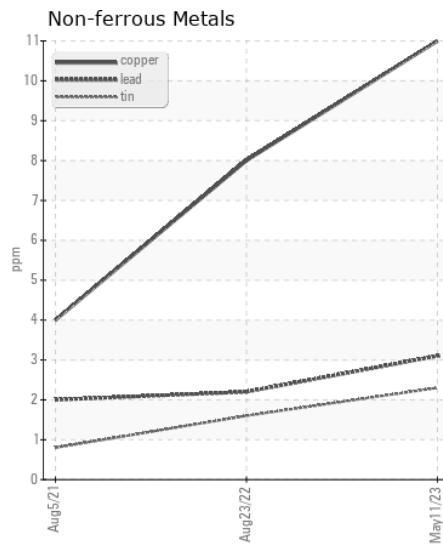
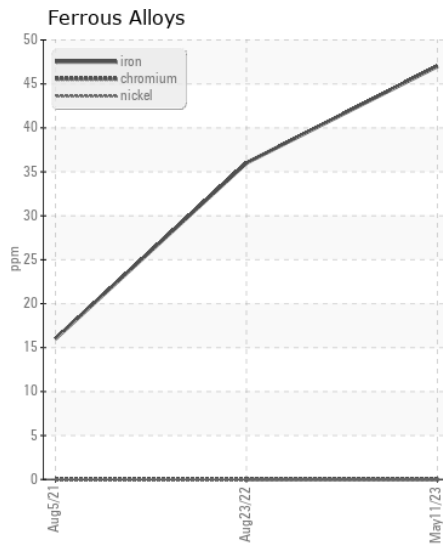
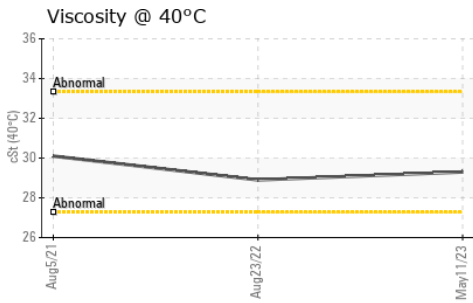
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>125	5	6	4
Potassium	ppm	ASTM D5185m	>20	2	2	0
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		5	5	6
Boron	ppm	ASTM D5185m		270	321	360
Barium	ppm	ASTM D5185m		0	<1	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		2	1	<1
Calcium	ppm	ASTM D5185m		252	251	270
Phosphorus	ppm	ASTM D5185m		617	620	667
Zinc	ppm	ASTM D5185m		12	0	0
Sulfur	ppm	ASTM D5185m		2489	1993	2216
Visc @ 40°C	cSt	ASTM D445		29.3	28.9	30.1



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0804021
Lab Number : 05850946
Unique Number : 10480301
Test Package : CONST
Received : 18 May 2023
Tested : 19 May 2023
Diagnosed : 23 May 2023 - Sean Felton

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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)