CONST

WEAR CHECK

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
PIERCE 1957
Component
Transmission (Auto)
Fluid
BG PRODUCTS Universal Synthetic Trans Oil 312 (--- QTS)

RECOMMENDATION

Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

CONTAMINATION

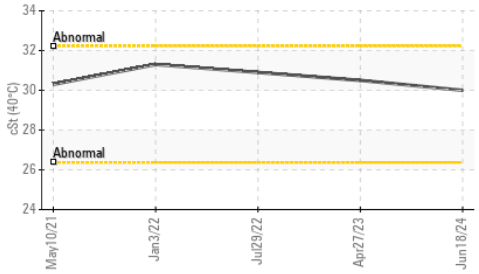
There is no indication of any contamination in the fluid.

FLUID CONDITION

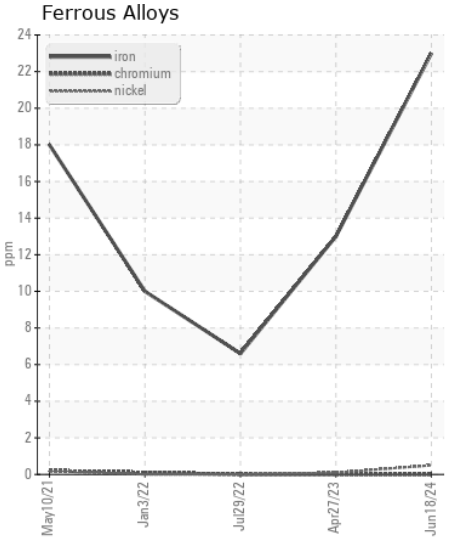
The condition of the fluid is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		**WC0921195**	WC0804017	WC0708745
Sample Date		Client Info		**18 Jun 2024**	27 Apr 2023	29 Jul 2022
Machine Age	hrs	Client Info		**8423**	8235	7979
Oil Age	hrs	Client Info		**809**	621	365
Filter Age	hrs	Client Info		**809**	621	365
Oil Changed		Client Info		**Changed**	Not Changd	Not Changd
Filter Changed		Client Info		**Changed**	Not Changd	Not Changd
Sample Status				**NORMAL**	NORMAL	NORMAL
Iron	ppm	ASTM D5185m	>160	**23**	13	7
Chromium	ppm	ASTM D5185m	>5	**0**	0	0
Nickel	ppm	ASTM D5185m	>5	**<1**	<1	0
Titanium	ppm	ASTM D5185m		**0**	0	0
Silver	ppm	ASTM D5185m	>5	**0**	0	<1
Aluminum	ppm	ASTM D5185m	>50	**11**	6	5
Lead	ppm	ASTM D5185m	>50	**3**	2	2
Copper	ppm	ASTM D5185m	>225	**11**	8	5
Tin	ppm	ASTM D5185m	>10	**1**	<1	1
Vanadium	ppm	ASTM D5185m		**0**	0	0
White Metal	scalar	*Visual	NONE	**NONE**	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	**NONE**	NONE	NONE
Silicon	ppm	ASTM D5185m	>20	**8**	6	5
Potassium	ppm	ASTM D5185m	>20	**3**	1	<1
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
Sodium	ppm	ASTM D5185m		**9**	5	7
Boron	ppm	ASTM D5185m		**256**	271	306
Barium	ppm	ASTM D5185m		**0**	0	0
Molybdenum	ppm	ASTM D5185m		**0**	0	<1
Manganese	ppm	ASTM D5185m		**<1**	0	0
Magnesium	ppm	ASTM D5185m		**3**	2	6
Calcium	ppm	ASTM D5185m		**240**	236	234
Phosphorus	ppm	ASTM D5185m		**675**	589	581
Zinc	ppm	ASTM D5185m		**4**	4	6
Sulfur	ppm	ASTM D5185m		**2530**	2413	2172
Visc @ 40°C	cSt	ASTM D445		**30.0**	30.5	30.9

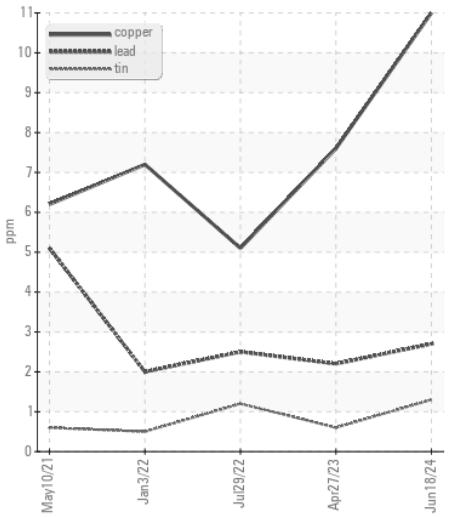
Viscosity @ 40°C



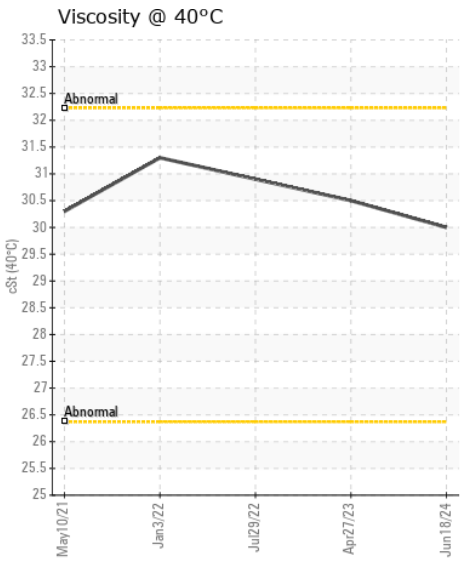
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0921195
Lab Number : 06213940
Unique Number : 11086804
Test Package : CONST

Received : 18 Jun 2024
Tested : 19 Jun 2024
Diagnosed : 19 Jun 2024 - Wes Davis

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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