



OIL ANALYSIS REPORT

WEAR	ABNORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
PIERCE 257/E-10
 Component
Transmission (Auto)
 Fluid
CASTROL TRANSYND (--- QTS)

RECOMMENDATION

No corrective action is recommended at this time. We recommend an early resample to monitor this condition.

WEAR

The iron level is abnormal. Bearing, clutch or torque converter wear is indicated.

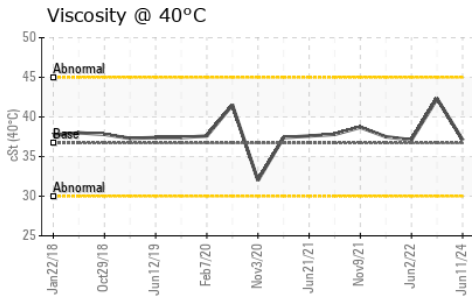
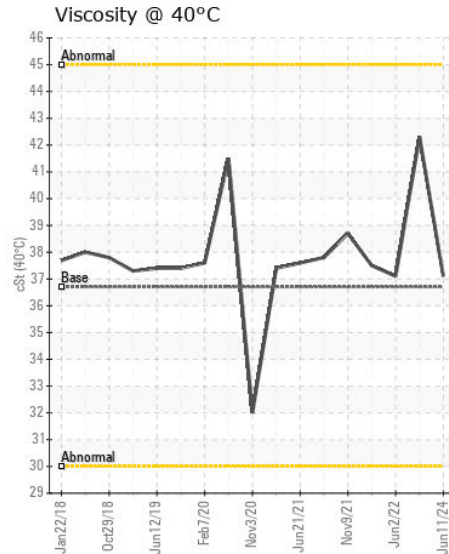
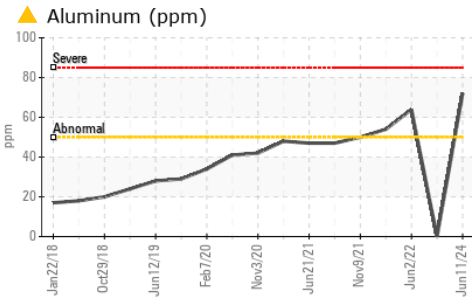
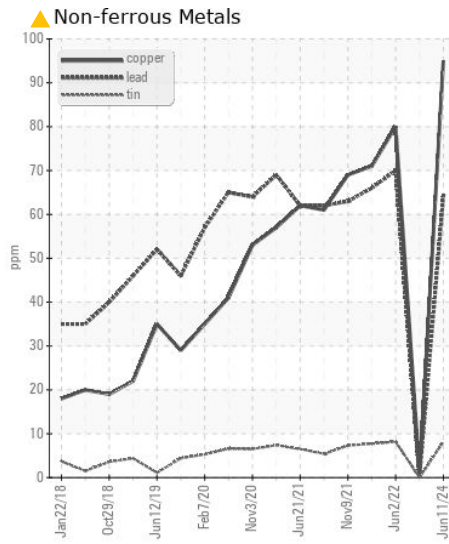
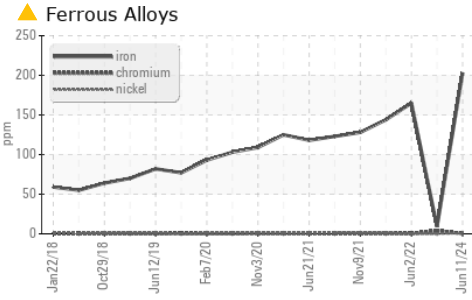
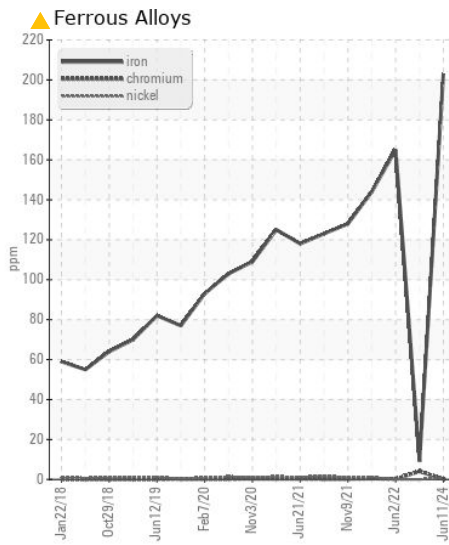
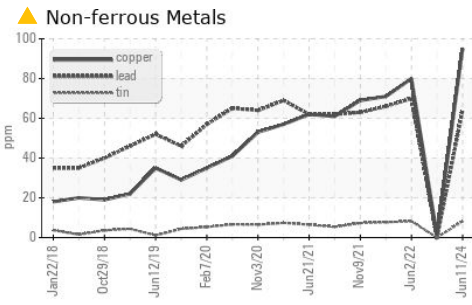
CONTAMINATION

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		WC0868216	WC0838175	WC0681589
Sample Date		Client Info		11 Jun 2024	24 Aug 2023	02 Jun 2022
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changed	Not Changed	Changed
Filter Changed		Client Info		Not Changed	Not Changed	Changed
Sample Status				ABNORMAL	NORMAL	ABNORMAL
Iron	ppm	ASTM D5185m	>160	▲ 203	9	▲ 165
Chromium	ppm	ASTM D5185m	>5	<1	4	<1
Nickel	ppm	ASTM D5185m	>5	<1	0	0
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m	>5	0	0	0
Aluminum	ppm	ASTM D5185m	>50	▲ 72	0	▲ 64
Lead	ppm	ASTM D5185m	>50	▲ 64	0	▲ 70
Copper	ppm	ASTM D5185m	>225	● 95	1	80
Tin	ppm	ASTM D5185m	>10	▲ 8	0	8
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	13	2	10
Potassium	ppm	ASTM D5185m	>20	6	0	7
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		12	0	12
Boron	ppm	ASTM D5185m	133	62	6	91
Barium	ppm	ASTM D5185m	0	0	2	1
Molybdenum	ppm	ASTM D5185m	0	<1	4	<1
Manganese	ppm	ASTM D5185m		3	0	3
Magnesium	ppm	ASTM D5185m	0	2	24	2
Calcium	ppm	ASTM D5185m	27	69	101	83
Phosphorus	ppm	ASTM D5185m	293	262	415	265
Zinc	ppm	ASTM D5185m	0	31	536	31
Sulfur	ppm	ASTM D5185m	1050	365	4791	370
Visc @ 40°C	cSt	ASTM D445	36.7	37.1	42.3	37.1



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0868216
Lab Number : 06213928
Unique Number : 11086792
Test Package : CONST
Received : 18 Jun 2024
Tested : 20 Jun 2024
Diagnosed : 20 Jun 2024 - Don Baldrige

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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)