



# OIL ANALYSIS REPORT

WEAR	<b>ABNORMAL</b>
CONTAMINATION	<b>NORMAL</b>
FLUID CONDITION	<b>NORMAL</b>

Machine Id  
**263/E-5**  
 Component  
**Transmission (Auto)**  
 Fluid  
**CASTROL TRANSYND (--- QTS)**

## RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

## WEAR

The lead level is abnormal. All other 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.

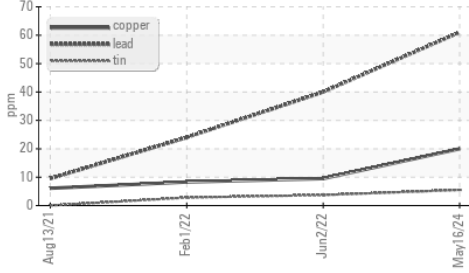
Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>WC0868262</b>	WC0681606	WC0658949
Sample Date		Client Info		<b>16 May 2024</b>	02 Jun 2022	01 Feb 2022
Machine Age	hrs	Client Info		<b>0</b>	0	0
Oil Age	hrs	Client Info		<b>0</b>	0	0
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Not Changed</b>	Changed	Changed
Filter Changed		Client Info		<b>Not Changed</b>	Changed	Changed
Sample Status				<b>ABNORMAL</b>	NORMAL	NORMAL

Iron	ppm	ASTM D5185m	>160	<b>82</b>	61	48
Chromium	ppm	ASTM D5185m	>5	<b>&lt;1</b>	0	<1
Nickel	ppm	ASTM D5185m	>5	<b>1</b>	0	0
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Silver	ppm	ASTM D5185m	>5	<b>&lt;1</b>	0	0
Aluminum	ppm	ASTM D5185m	>50	<b>22</b>	16	12
Lead	ppm	ASTM D5185m	>50	<b>▲ 61</b>	40	24
Copper	ppm	ASTM D5185m	>225	<b>20</b>	10	8
Tin	ppm	ASTM D5185m	>10	<b>6</b>	4	3
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

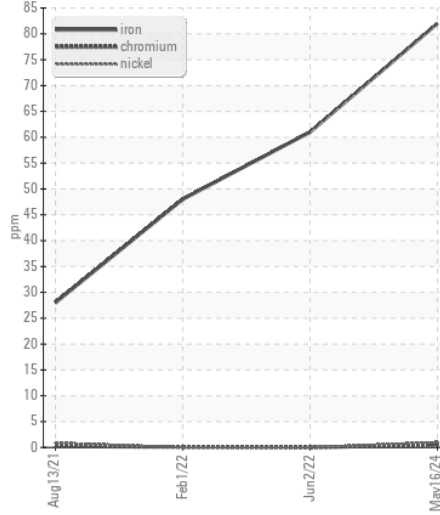
Silicon	ppm	ASTM D5185m	>20	<b>21</b>	23	20
Potassium	ppm	ASTM D5185m	>20	<b>7</b>	6	4
Water		WC Method	>0.1	<b>NEG</b>	NEG	NEG
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	<b>NEG</b>	NEG	NEG

Sodium	ppm	ASTM D5185m		<b>10</b>	7	8
Boron	ppm	ASTM D5185m	133	<b>95</b>	110	98
Barium	ppm	ASTM D5185m	0	<b>0</b>	2	0
Molybdenum	ppm	ASTM D5185m	0	<b>2</b>	1	1
Manganese	ppm	ASTM D5185m		<b>3</b>	3	3
Magnesium	ppm	ASTM D5185m	0	<b>5</b>	5	3
Calcium	ppm	ASTM D5185m	27	<b>114</b>	118	131
Phosphorus	ppm	ASTM D5185m	293	<b>263</b>	285	319
Zinc	ppm	ASTM D5185m	0	<b>27</b>	31	23
Sulfur	ppm	ASTM D5185m	1050	<b>548</b>	550	497
Visc @ 40°C	cSt	ASTM D445	36.7	<b>36.5</b>	36.5	36.6

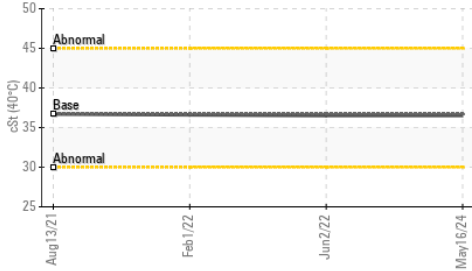
▲ Non-ferrous Metals



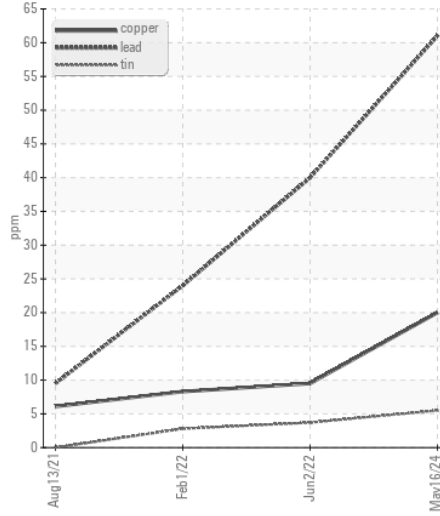
Ferrous Alloys



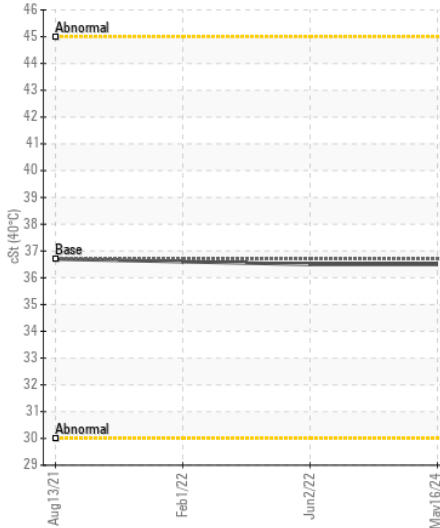
Viscosity @ 40°C



▲ Non-ferrous Metals



Viscosity @ 40°C



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0868262  
**Lab Number** : 06189648  
**Unique Number** : 11046400  
**Test Package** : CONST

**Received** : 23 May 2024  
**Tested** : 24 May 2024  
**Diagnosed** : 28 May 2024 - Sean Felton

**CYFAIR FIRE DEPARTMENT**  
 10710 TELGE RD  
 HOUSTON, TX  
 US 77095  
 Contact: JEFF DAVIDSON  
 jeff.davidson@cyfairfd.org  
 T: (281)656-3440  
 F: (281)807-1853

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)