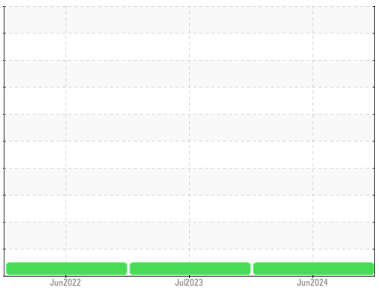
# OIL ANALYSIS REPORT

Sample Rating Trend




NORMAL

Area
**OKLAHOMA**
Machine Id
**5568**
Component
**Transmission (Auto)**
Fluid
**CASTROL TRANSYND (--- GAL)**

## DIAGNOSIS

**Recommendation**
Resample at the next service interval to monitor.

**Wear**
All component wear rates are normal for time on oil.

**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.

| SAMPLE INFORMATION | | method | limit/base | current | history1 | history2 |
|---|---|---|---|---|---|---|
| Sample Number | | Client Info | | **WC0899593** | WC0825516 | WC0696082 |
| Sample Date | | Client Info | | **30 Jun 2024** | 20 Jul 2023 | 30 Jun 2022 |
| Machine Age | hrs | Client Info | | **4845** | 3051 | 633 |
| Oil Age | hrs | Client Info | | **1370** | 3051 | 633 |
| Oil Changed | | Client Info | | **Not Changd** | Not Changd | Not Changd |
| Sample Status | | | | **NORMAL** | NORMAL | NORMAL |

| CONTAMINATION | | method | limit/base | current | history1 | history2 |
|---|---|---|---|---|---|---|
| Water | | WC Method | >0.1 | **NEG** | NEG | NEG |

| WEAR METALS | | method | limit/base | current | history1 | history2 |
|---|---|---|---|---|---|---|
| Iron | ppm | ASTM D5185m | >160 | **83** | 70 | 35 |
| Chromium | ppm | ASTM D5185m | >5 | **<1** | <1 | 0 |
| Nickel | ppm | ASTM D5185m | >5 | **<1** | <1 | <1 |
| Titanium | ppm | ASTM D5185m | | **<1** | 0 | 0 |
| Silver | ppm | ASTM D5185m | >5 | **0** | 0 | 0 |
| Aluminum | ppm | ASTM D5185m | >50 | **39** | 31 | 10 |
| Lead | ppm | ASTM D5185m | >50 | **26** | 19 | 2 |
| Copper | ppm | ASTM D5185m | >225 | **15** | 9 | 4 |
| Tin | ppm | ASTM D5185m | >10 | **8** | 7 | 2 |
| Vanadium | ppm | ASTM D5185m | | **0** | 0 | 0 |
| Cadmium | ppm | ASTM D5185m | | **0** | 0 | 0 |

| ADDITIVES | | method | limit/base | current | history1 | history2 |
|---|---|---|---|---|---|---|
| Boron | ppm | ASTM D5185m | 133 | **81** | 100 | 105 |
| Barium | ppm | ASTM D5185m | 0 | **0** | 0 | 0 |
| Molybdenum | ppm | ASTM D5185m | 0 | **<1** | <1 | <1 |
| Manganese | ppm | ASTM D5185m | | **2** | 2 | 2 |
| Magnesium | ppm | ASTM D5185m | 0 | **1** | 1 | <1 |
| Calcium | ppm | ASTM D5185m | 27 | **64** | 72 | 69 |
| Phosphorus | ppm | ASTM D5185m | 293 | **255** | 245 | 262 |
| Zinc | ppm | ASTM D5185m | 0 | **3** | 3 | 0 |
| Sulfur | ppm | ASTM D5185m | 1050 | **1183** | 1309 | 1404 |

| CONTAMINANTS | | method | limit/base | current | history1 | history2 |
|---|---|---|---|---|---|---|
| Silicon | ppm | ASTM D5185m | >20 | **4** | 5 | 3 |
| Sodium | ppm | ASTM D5185m | | **5** | 5 | 5 |
| Potassium | ppm | ASTM D5185m | >20 | **5** | 5 | 4 |

| VISUAL | | method | limit/base | current | history1 | history2 |
|---|---|---|---|---|---|---|
| White Metal | scalar | *Visual | NONE | **NONE** | NONE | NONE |
| Yellow Metal | scalar | *Visual | NONE | **NONE** | NONE | NONE |
| Precipitate | scalar | *Visual | NONE | **NONE** | NONE | NONE |
| 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 |
| Free Water | scalar | *Visual | | **NEG** | NEG | NEG |

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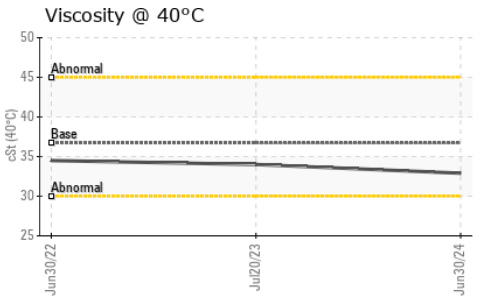
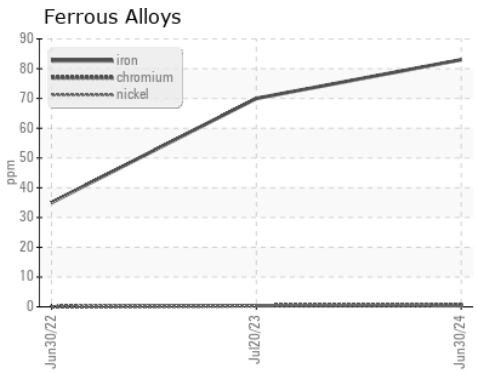
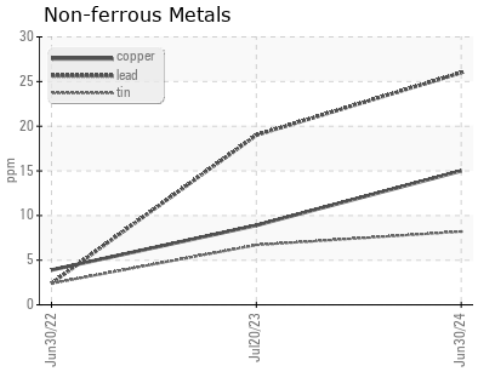


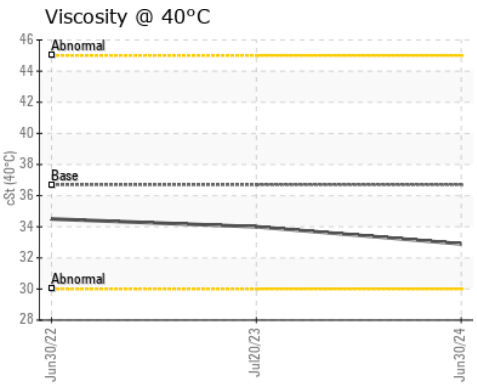

| FLUID PROPERTIES | | method | limit/base | current | history1 | history2 |
|---|---|---|---|---|---|---|
| Visc @ 40°C | cSt | ASTM D445 | 36.7 | **32.9** | 34.0 | 34.5 |

| SAMPLE IMAGES | method | limit/base | current | history1 | history2 |
|---|---|---|---|---|---|
| Color | | | *no image* | *no image* | *no image* |
| Bottom | | | *no image* | *no image* | *no image* |

## GRAPHS




Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513
**Sample No.** : WC0899593
**Lab Number** : 06234126
**Unique Number** : 11122960
**Test Package** : FLEET

**Received** : 11 Jul 2024
**Tested** : 12 Jul 2024
**Diagnosed** : 14 Jul 2024 - Don Baldridge

*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)*

**LIBERTY DISPOSAL**
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Report Id: SEAOKL [WUSCAR] 06234126 (Generated: 07/14/2024 11:18:06) Rev: 1

Submitted By: ?