



OIL ANALYSIS REPORT

| | |
|-----------------|-----------------|
| WEAR | ABNORMAL |
| CONTAMINATION | NORMAL |
| FLUID CONDITION | NORMAL |

Area

[25077]

Machine Id

20-105

Component

Transmission (Auto)

Fluid

CASTROL TRANSYND (--- GAL)

RECOMMENDATION

We recommend that you drain the fluid from the component if this has not already been done. We recommend an early resample to monitor this condition.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------|-----|-------------|-----------|--------------------|-------------|-------------|
| Sample Number | | Client Info | | WC0941306 | WC0895460 | WC0876585 |
| Sample Date | | Client Info | | 13 Jun 2024 | 09 Mar 2024 | 30 Nov 2023 |
| Machine Age | kms | Client Info | | 120558 | 112187 | 104093 |
| Oil Age | kms | Client Info | | 0 | 0 | 0 |
| Filter Age | kms | Client Info | | 0 | 0 | 0 |
| Oil Changed | | Client Info | | Not Changed | Not Changed | Not Changed |
| Filter Changed | | Client Info | | Not Changed | Not Changed | Not Changed |
| Sample Status | | | | ABNORMAL | NORMAL | NORMAL |

WEAR

Tin ppm levels are abnormal. Bearing wear is indicated.

| | | | | | | |
|--------------|--------|---------------|------|--------------|------|-------|
| Iron | ppm | ASTM D5185(m) | >230 | 123 | 118 | 109 |
| Chromium | ppm | ASTM D5185(m) | >2 | <1 | <1 | <1 |
| Nickel | ppm | ASTM D5185(m) | >5 | <1 | <1 | <1 |
| Titanium | ppm | ASTM D5185(m) | >2 | 0 | 0 | 0 |
| Silver | ppm | ASTM D5185(m) | >5 | 0 | 0 | <1 |
| Aluminum | ppm | ASTM D5185(m) | >65 | 49 | 48 | 44 |
| Lead | ppm | ASTM D5185(m) | >55 | 45 | 44 | 42 |
| Copper | ppm | ASTM D5185(m) | >85 | 44 | 42 | 39 |
| Tin | ppm | ASTM D5185(m) | >5 | ▲ 6 | 5 | 5 |
| Vanadium | ppm | ASTM D5185(m) | | 0 | 0 | 0 |
| White Metal | scalar | Visual* | NONE | NONE | NONE | VLITE |
| Yellow Metal | scalar | Visual* | NONE | NONE | NONE | NONE |

CONTAMINATION

There is no indication of any contamination in the fluid.

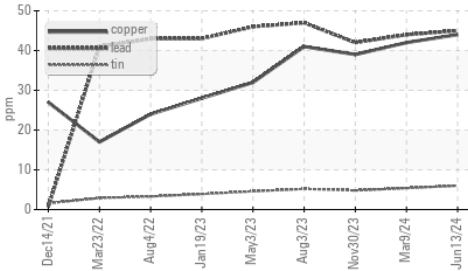
| | | | | | | |
|------------------|--------|---------------|-------|--------------|-------|-------|
| Silicon | ppm | ASTM D5185(m) | >20 | 6 | 6 | 6 |
| Potassium | ppm | ASTM D5185(m) | >20 | 4 | 5 | 4 |
| Water | | WC Method | >0.1 | NEG | NEG | NEG |
| Silt | scalar | Visual* | NONE | NONE | NONE | 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

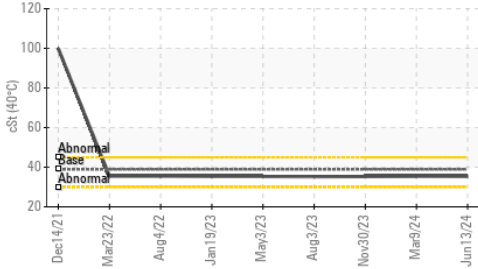
The fluid is no longer serviceable as a result of the abnormal and/or severe wear.

| | | | | | | |
|-------------|-----|---------------|------|--------------|------|------|
| Sodium | ppm | ASTM D5185(m) | | 7 | 6 | 6 |
| Boron | ppm | ASTM D5185(m) | 150 | 96 | 98 | 95 |
| Barium | ppm | ASTM D5185(m) | 0 | 2 | 1 | 2 |
| Molybdenum | ppm | ASTM D5185(m) | 0 | <1 | <1 | <1 |
| Manganese | ppm | ASTM D5185(m) | | 2 | 2 | 2 |
| Magnesium | ppm | ASTM D5185(m) | 0 | <1 | <1 | <1 |
| Calcium | ppm | ASTM D5185(m) | 40 | 48 | 48 | 49 |
| Phosphorus | ppm | ASTM D5185(m) | 320 | 282 | 295 | 275 |
| Zinc | ppm | ASTM D5185(m) | 5 | 6 | 6 | 8 |
| Sulfur | ppm | ASTM D5185(m) | 1050 | 736 | 795 | 722 |
| Visc @ 40°C | cSt | ASTM D7279(m) | 38.9 | 35.3 | 35.4 | 35.3 |

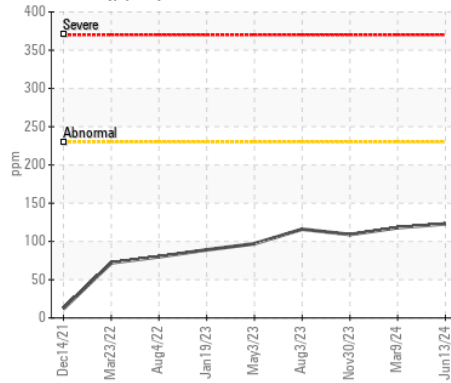
▲ Non-ferrous Metals



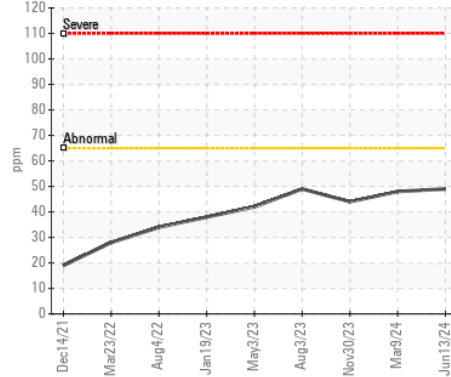
Viscosity @ 40°C



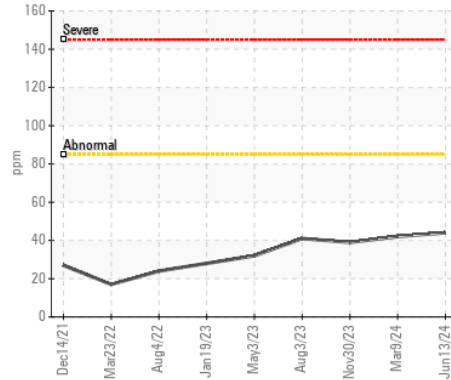
Iron (ppm)



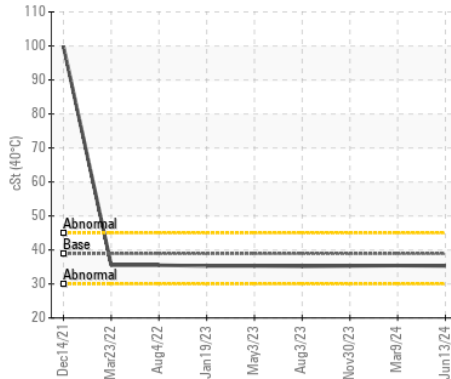
Aluminum (ppm)



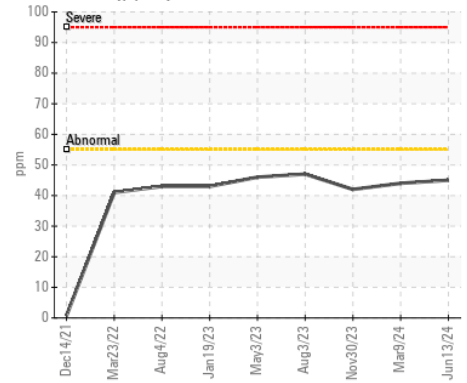
Copper (ppm)



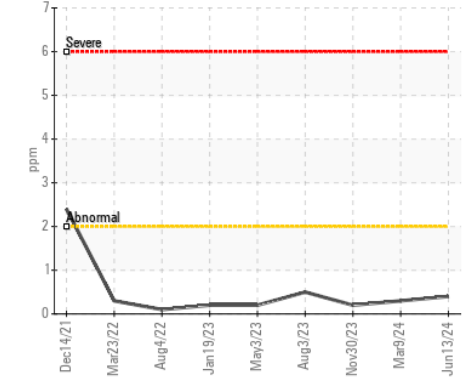
Viscosity @ 40°C



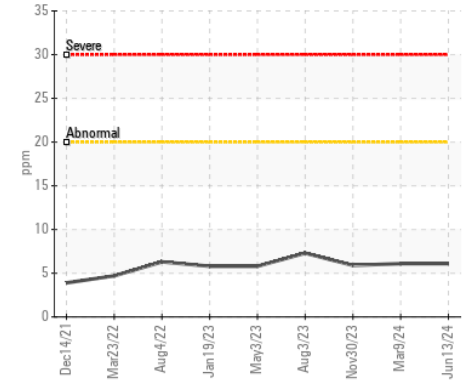
Lead (ppm)



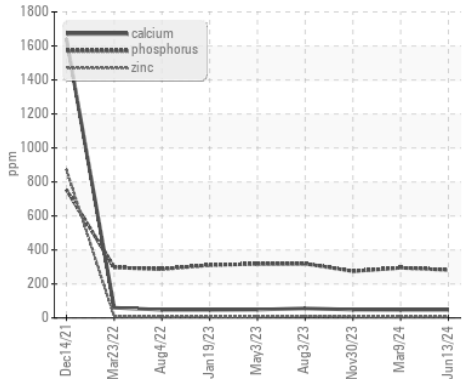
Chromium (ppm)



Silicon (ppm)



Additives



ISO 17025:2017
Accredited
Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0941306
Lab Number : 02642623
Unique Number : 5800162
Test Package : MOB 1

Received : 18 Jun 2024
Tested : 18 Jun 2024
Diagnosed : 19 Jun 2024 - Kevin Marson

OX FLEET CARE
 466 HIGHWAY 52
 DUNDAS, ON
 CA L9H 5E2

Contact: Robert Hughes
 robert.hughes@ox-equipment.com
 T: (289)683-6037
 F:

To discuss this sample report, contact Customer Service at 1-800-268-2131.
 Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab.
 Validity of results and interpretation are based on the sample and information as supplied.