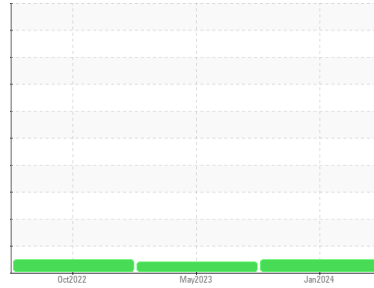


OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Area
Rear Load
Machine Id
REL202398
Component
Transmission (Auto)
Fluid
NOT GIVEN (--- GAL)

DIAGNOSIS

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 AN level is acceptable for this fluid. The condition of the fluid is suitable for further service.

SAMPLE INFORMATION

| method | limit/base | current | history1 | history2 | |
|---------------|-------------|--------------------|-------------|-------------|---|
| Sample Number | Client Info | PCA0109910 | PCA0090446 | PCA0078030 | |
| Sample Date | Client Info | 23 Jan 2024 | 05 May 2023 | 25 Oct 2022 | |
| Machine Age | hrs | Client Info | 7879 | 0 | 0 |
| Oil Age | hrs | Client Info | 7879 | 0 | 0 |
| Oil Changed | Client Info | N/A | N/A | N/A | |
| Sample Status | | NORMAL | ABNORMAL | 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 >220 | 61 | 165 | 197 |
| Chromium | ppm ASTM D5185m >2 | 0 | <1 | <1 |
| Nickel | ppm ASTM D5185m >5 | 0 | <1 | 2 |
| Titanium | ppm ASTM D5185m | 0 | <1 | <1 |
| Silver | ppm ASTM D5185m >5 | 0 | 0 | 0 |
| Aluminum | ppm ASTM D5185m >75 | 10 | 66 | 73 |
| Lead | ppm ASTM D5185m >95 | 8 | 71 | 83 |
| Copper | ppm ASTM D5185m >60 | 15 | 42 | 53 |
| Tin | ppm ASTM D5185m >10 | 2 | 10 | 11 |
| Vanadium | ppm ASTM D5185m | 0 | <1 | 0 |
| Cadmium | ppm ASTM D5185m | 0 | 0 | 0 |

ADDITIVES

| method | limit/base | current | history1 | history2 |
|------------|-----------------|-------------|----------|----------|
| Boron | ppm ASTM D5185m | 32 | 70 | 74 |
| Barium | ppm ASTM D5185m | 0 | 0 | 0 |
| Molybdenum | ppm ASTM D5185m | 2 | <1 | <1 |
| Manganese | ppm ASTM D5185m | 1 | 2 | 3 |
| Magnesium | ppm ASTM D5185m | 16 | 11 | 2 |
| Calcium | ppm ASTM D5185m | 138 | 72 | 70 |
| Phosphorus | ppm ASTM D5185m | 208 | 261 | 267 |
| Zinc | ppm ASTM D5185m | 42 | 28 | 52 |
| Sulfur | ppm ASTM D5185m | 1355 | 1242 | 1239 |

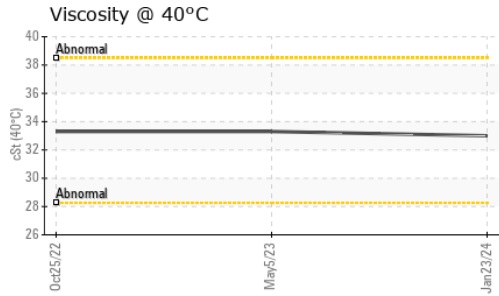
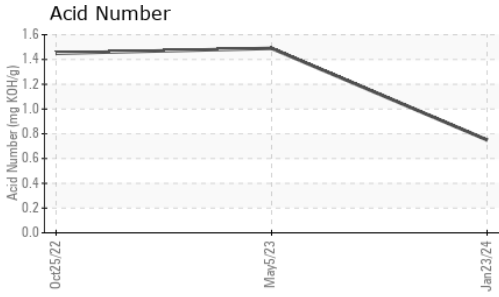
CONTAMINANTS

| method | limit/base | current | history1 | history2 |
|-----------|---------------------|----------|----------|----------|
| Silicon | ppm ASTM D5185m >25 | 6 | 11 | 26 |
| Sodium | ppm ASTM D5185m | 6 | 10 | 19 |
| Potassium | ppm ASTM D5185m >20 | 2 | 9 | 11 |

FLUID DEGRADATION

| method | limit/base | current | history1 | history2 |
|------------------|---------------------|-------------|----------|----------|
| Acid Number (AN) | mg KOH/g ASTM D8045 | 0.75 | 1.49 | 1.45 |

OIL ANALYSIS REPORT

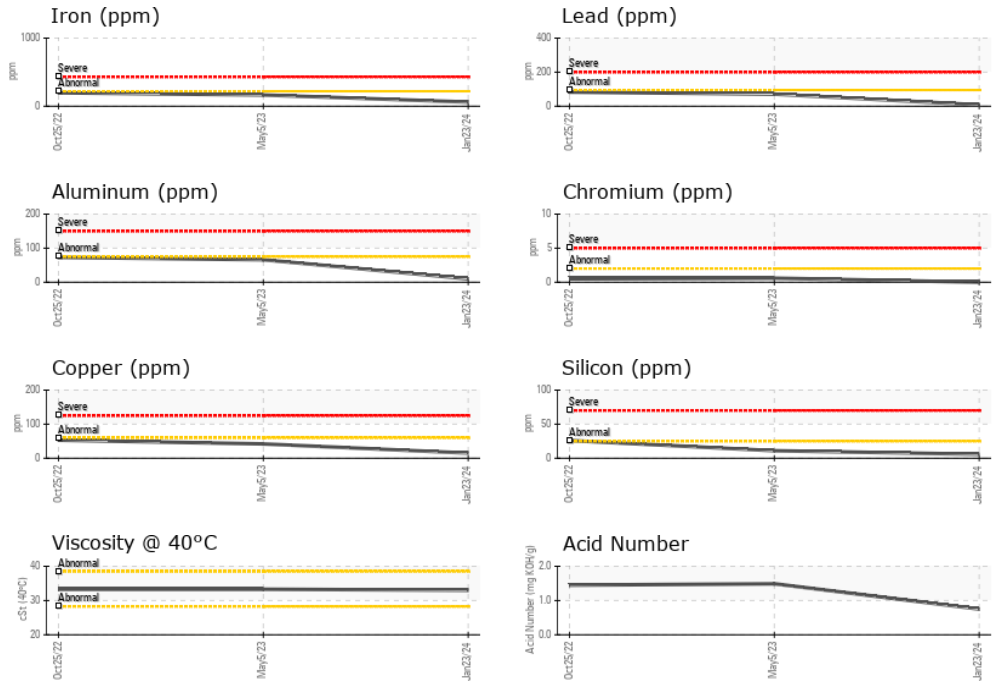


| VISUAL | method | limit/base | current | history1 | history2 |
|------------------|--------|------------|---------|--------------|----------|
| White Metal | scalar | *Visual | NONE | NONE | NONE |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE |
| Precipitate | scalar | *Visual | NONE | NONE | NONE |
| Silt | scalar | *Visual | NONE | NONE | NONE |
| Debris | scalar | *Visual | NONE | LIGHT | ▲ MODER |
| Sand/Dirt | scalar | *Visual | NONE | NONE | NONE |
| Appearance | scalar | *Visual | NORML | NORML | NORML |
| Odor | scalar | *Visual | NORML | NORML | NORML |
| Emulsified Water | scalar | *Visual | >0.1 | NEG | NEG |
| Free Water | scalar | *Visual | | NEG | NEG |

| FLUID PROPERTIES | method | limit/base | current | history1 | history2 |
|------------------|--------|------------|-------------|----------|----------|
| Visc @ 40°C | cSt | ASTM D445 | 33.0 | 33.3 | 33.3 |

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

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0109910 **Received** : 26 Jan 2024
Lab Number : **06071848** **Diagnosed** : 29 Jan 2024
Unique Number : 10848525 **Diagnostician** : Wes Davis
Test Package : MOB 2

UMM - Shop 401 - Norton
 186 South Washington Street
 Norton, MA
 US 02766
 Contact: Dave Wilson Jr.
 Dwilson1@win-waste.com

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)

T:
F: