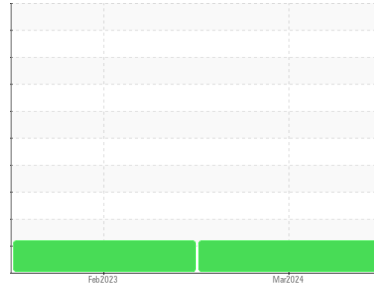




OIL ANALYSIS REPORT

Sample Rating Trend



ISO



Machine Id
ES06
 Component
Main Hydraulic System
 Fluid
{not provided} (--- LTR)

DIAGNOSIS

Recommendation

Little or no information is provided as to the component and lubricant being tested. Recommendations are therefore generic in nature and may not apply to the current application. Please forward information as to equipment type, reservoir capacity, lubricant type and any pertinent information to allow for a more accurate assessment. We recommend you service the filters on this component. We recommend an early resample to monitor this condition. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample. Please specify the brand, type, and viscosity of the oil on your next sample.

Wear

All component wear rates are normal.

Contamination

There is a moderate amount of silt (particulates < 14 microns in size) present in the oil.

Fluid Condition

The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

SAMPLE INFORMATION

| | method | limit/base | current | history1 | history2 |
|---------------|-------------|-------------|--------------------|-------------|----------|
| Sample Number | Client Info | | WC0914625 | WC0779634 | --- |
| Sample Date | Client Info | | 11 Mar 2024 | 20 Feb 2023 | --- |
| Machine Age | hrs | Client Info | 0 | 0 | --- |
| Oil Age | hrs | Client Info | 0 | 0 | --- |
| Oil Changed | Client Info | | N/A | N/A | --- |
| Sample Status | | | ABNORMAL | ABNORMAL | --- |

CONTAMINATION

| | method | limit/base | current | history1 | history2 |
|-------|-----------|------------|------------|----------|----------|
| Water | WC Method | >0.05 | NEG | NEG | --- |

WEAR METALS

| | method | limit/base | current | history1 | history2 |
|-----------|--------|---------------|---------|--------------|----------|
| Iron | ppm | ASTM D5185(m) | >20 | 2 | 2 |
| Chromium | ppm | ASTM D5185(m) | >20 | <1 | <1 |
| Nickel | ppm | ASTM D5185(m) | >20 | <1 | <1 |
| Titanium | ppm | ASTM D5185(m) | | 0 | 0 |
| Silver | ppm | ASTM D5185(m) | | 0 | 0 |
| Aluminum | ppm | ASTM D5185(m) | >20 | <1 | <1 |
| Lead | ppm | ASTM D5185(m) | >20 | 1 | <1 |
| Copper | ppm | ASTM D5185(m) | >20 | 6 | 5 |
| Tin | ppm | ASTM D5185(m) | >20 | 0 | 0 |
| Antimony | ppm | ASTM D5185(m) | | 0 | 0 |
| Vanadium | ppm | ASTM D5185(m) | | 0 | 0 |
| Beryllium | ppm | ASTM D5185(m) | | 0 | 0 |
| Cadmium | ppm | ASTM D5185(m) | | 0 | 0 |

ADDITIVES

| | method | limit/base | current | history1 | history2 |
|------------|--------|---------------|---------|--------------|----------|
| Boron | ppm | ASTM D5185(m) | | 0 | <1 |
| Barium | ppm | ASTM D5185(m) | | 12 | 14 |
| Molybdenum | ppm | ASTM D5185(m) | | 0 | 0 |
| Manganese | ppm | ASTM D5185(m) | | 0 | 0 |
| Magnesium | ppm | ASTM D5185(m) | | <1 | 0 |
| Calcium | ppm | ASTM D5185(m) | | 6 | 7 |
| Phosphorus | ppm | ASTM D5185(m) | | 486 | 576 |
| Zinc | ppm | ASTM D5185(m) | | 531 | 590 |
| Sulfur | ppm | ASTM D5185(m) | | 1066 | 1209 |
| Lithium | ppm | ASTM D5185(m) | | <1 | <1 |

CONTAMINANTS

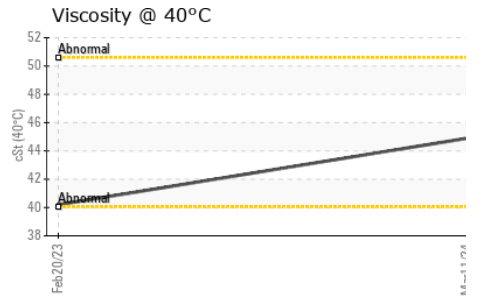
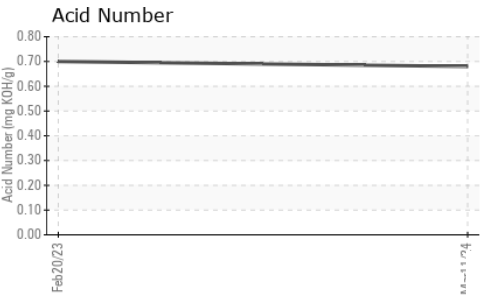
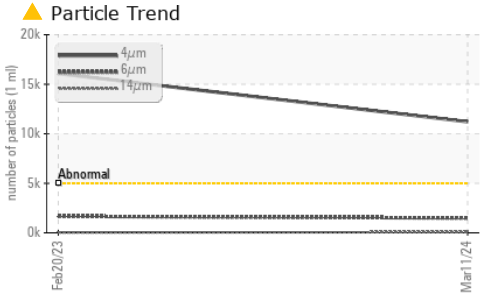
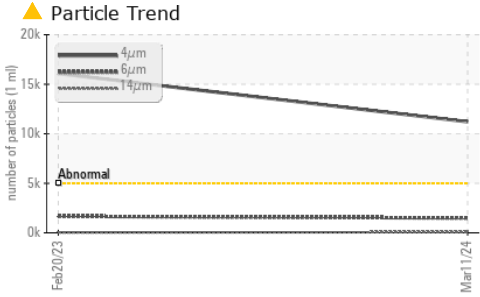
| | method | limit/base | current | history1 | history2 |
|-----------|--------|---------------|---------|----------|----------|
| Silicon | ppm | ASTM D5185(m) | >15 | 0 | <1 |
| Sodium | ppm | ASTM D5185(m) | | 0 | 0 |
| Potassium | ppm | ASTM D5185(m) | >20 | 1 | 0 |

FLUID CLEANLINESS

| | method | limit/base | current | history1 | history2 |
|-----------------|--------------|------------|-------------------|------------|----------|
| Particles >4µm | ASTM D7647 | >5000 | ▲ 11211 | ▲ 16078 | --- |
| Particles >6µm | ASTM D7647 | >1300 | ● 1494 | ● 1667 | --- |
| Particles >14µm | ASTM D7647 | >160 | 66 | 36 | --- |
| Particles >21µm | ASTM D7647 | >40 | 13 | 8 | --- |
| Particles >38µm | ASTM D7647 | >10 | 1 | 1 | --- |
| Particles >71µm | ASTM D7647 | >3 | 1 | 0 | --- |
| Oil Cleanliness | ISO 4406 (c) | >19/17/14 | ▲ 21/18/13 | ▲ 21/18/12 | --- |



OIL ANALYSIS REPORT

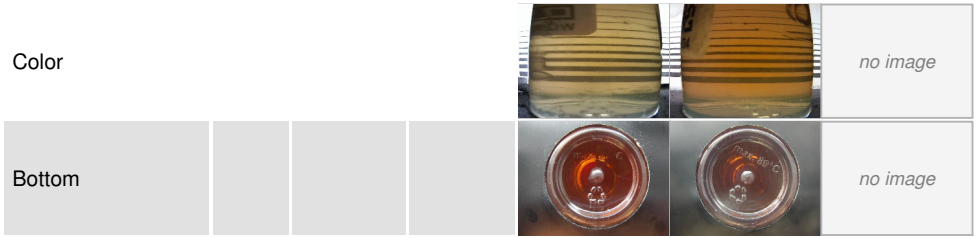


| FLUID DEGRADATION | method | limit/base | current | history1 | history2 |
|-------------------|----------|------------|-------------|----------|----------|
| Acid Number (AN) | mg KOH/g | ASTM D974* | 0.68 | 0.70 | --- |

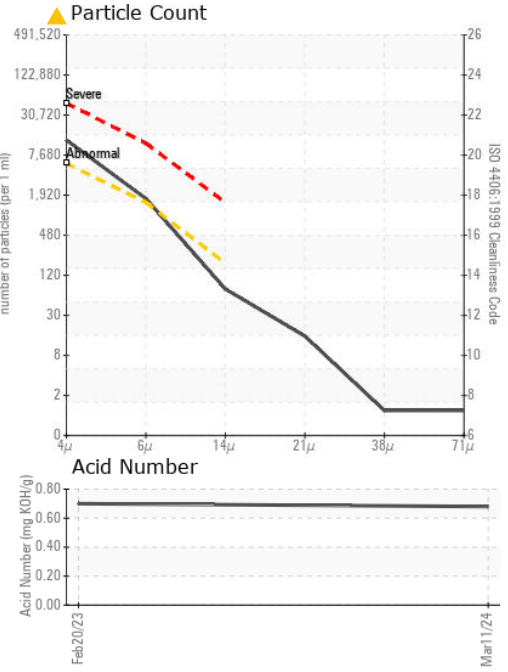
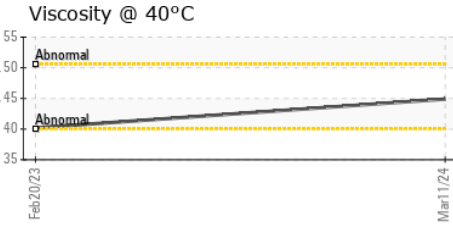
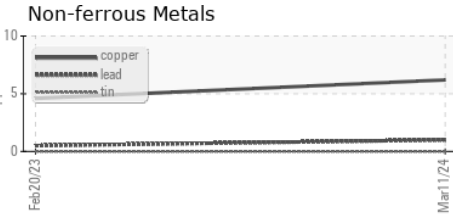
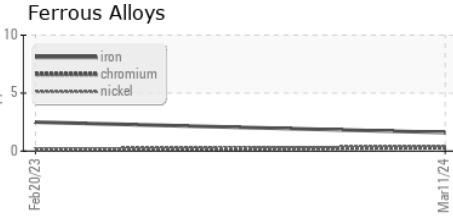
| VISUAL | method | limit/base | current | history1 | history2 |
|------------------|--------|------------|---------|----------|----------|
| White Metal | scalar | Visual* | NONE | NONE | --- |
| Yellow Metal | scalar | Visual* | NONE | NONE | --- |
| Precipitate | scalar | Visual* | NONE | NONE | --- |
| Silt | scalar | Visual* | NONE | NONE | --- |
| Debris | scalar | Visual* | NONE | NONE | --- |
| Sand/Dirt | scalar | Visual* | NONE | NONE | --- |
| Appearance | scalar | Visual* | NORML | NORML | --- |
| Odor | scalar | Visual* | NORML | NORML | --- |
| Emulsified Water | scalar | Visual* | >0.05 | NEG | --- |
| Free Water | scalar | Visual* | | NEG | --- |

| FLUID PROPERTIES | method | limit/base | current | history1 | history2 |
|------------------|--------|---------------|-------------|----------|----------|
| Visc @ 40°C | cSt | ASTM D7279(m) | 44.9 | 40.2 | --- |

SAMPLE IMAGES



GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0914625 **Received** : 12 Mar 2024
Lab Number : **02621495** **Tested** : 13 Mar 2024
Unique Number : 5746614 **Diagnosed** : 13 Mar 2024 - Wes Davis
Test Package : IND 2 (Additional Tests: TAN Man)

Amcor Rigid Plastics North America
 245 Britannia Road East
 Mississauga, ON
 CA L4Z 4J3
 Contact: Sandip Patel
 Sandip.Patel@amcor.com

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.