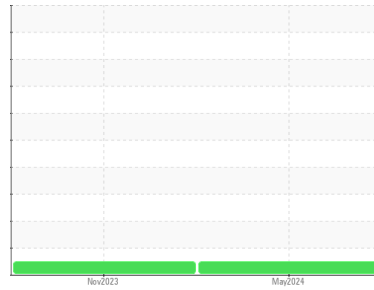


# OIL ANALYSIS REPORT

## Sample Rating Trend



**NORMAL**



Area  
**ELEVATOR**  
 Machine Id  
**[ELEVATOR] MTV126 TOP FILL DRAG #2**  
 Component  
**Gearbox**  
 Fluid  
**GEAR OIL ISO 220 (--- 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 oil.

#### Fluid Condition

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

| SAMPLE INFORMATION |             | method      | limit/base | current            | history1    | history2 |
|--------------------|-------------|-------------|------------|--------------------|-------------|----------|
| Sample Number      | Client Info |             |            | <b>PCA0125317</b>  | PCA0108395  | ---      |
| Sample Date        | Client Info |             |            | <b>29 May 2024</b> | 08 Nov 2023 | ---      |
| Machine Age        | hrs         | Client Info |            | <b>0</b>           | 0           | ---      |
| Oil Age            | hrs         | Client Info |            | <b>0</b>           | 0           | ---      |
| Oil Changed        | Client Info |             |            | <b>N/A</b>         | N/A         | ---      |
| Sample Status      |             |             |            | <b>NORMAL</b>      | NORMAL      | ---      |

| CONTAMINATION |           | method | limit/base | current    | history1 | history2 |
|---------------|-----------|--------|------------|------------|----------|----------|
| Water         | WC Method |        | >0.2       | <b>NEG</b> | NEG      | ---      |

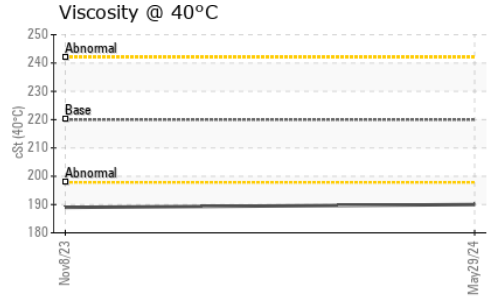
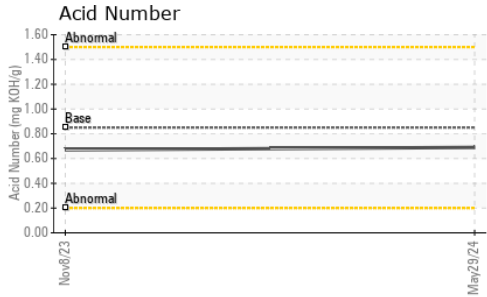
| WEAR METALS |     | method      | limit/base | current    | history1 | history2 |
|-------------|-----|-------------|------------|------------|----------|----------|
| PQ          |     | ASTM D8184  |            | <b>120</b> | ---      | ---      |
| Iron        | ppm | ASTM D5185m | >200       | <b>150</b> | 135      | ---      |
| Chromium    | ppm | ASTM D5185m | >15        | <b>0</b>   | <1       | ---      |
| Nickel      | ppm | ASTM D5185m | >15        | <b>0</b>   | 0        | ---      |
| Titanium    | ppm | ASTM D5185m |            | <b>0</b>   | <1       | ---      |
| Silver      | ppm | ASTM D5185m |            | <b>0</b>   | 0        | ---      |
| Aluminum    | ppm | ASTM D5185m | >25        | <b>0</b>   | 3        | ---      |
| Lead        | ppm | ASTM D5185m | >100       | <b>0</b>   | 0        | ---      |
| Copper      | ppm | ASTM D5185m | >200       | <b>0</b>   | <1       | ---      |
| Tin         | ppm | ASTM D5185m | >25        | <b>0</b>   | 0        | ---      |
| Vanadium    | ppm | ASTM D5185m |            | <b>0</b>   | <1       | ---      |
| Cadmium     | ppm | ASTM D5185m |            | <b>0</b>   | 0        | ---      |

| ADDITIVES  |     | method      | limit/base | current      | history1 | history2 |
|------------|-----|-------------|------------|--------------|----------|----------|
| Boron      | ppm | ASTM D5185m | 50         | <b>0</b>     | 2        | ---      |
| Barium     | ppm | ASTM D5185m | 15         | <b>0</b>     | 8        | ---      |
| Molybdenum | ppm | ASTM D5185m | 15         | <b>0</b>     | 0        | ---      |
| Manganese  | ppm | ASTM D5185m |            | <b>2</b>     | 2        | ---      |
| Magnesium  | ppm | ASTM D5185m | 50         | <b>0</b>     | <1       | ---      |
| Calcium    | ppm | ASTM D5185m | 50         | <b>14</b>    | 17       | ---      |
| Phosphorus | ppm | ASTM D5185m | 350        | <b>342</b>   | 396      | ---      |
| Zinc       | ppm | ASTM D5185m | 100        | <b>10</b>    | 17       | ---      |
| Sulfur     | ppm | ASTM D5185m | 12500      | <b>13651</b> | 12752    | ---      |

| CONTAMINANTS |     | method      | limit/base | current      | history1 | history2 |
|--------------|-----|-------------|------------|--------------|----------|----------|
| Silicon      | ppm | ASTM D5185m | >50        | <b>3</b>     | 5        | ---      |
| Sodium       | ppm | ASTM D5185m |            | <b>1</b>     | 0        | ---      |
| Potassium    | ppm | ASTM D5185m | >20        | <b>&lt;1</b> | 2        | ---      |

| FLUID DEGRADATION |          | method     | limit/base | current     | history1 | history2 |
|-------------------|----------|------------|------------|-------------|----------|----------|
| Acid Number (AN)  | mg KOH/g | ASTM D8045 | 0.85       | <b>0.69</b> | 0.67     | ---      |

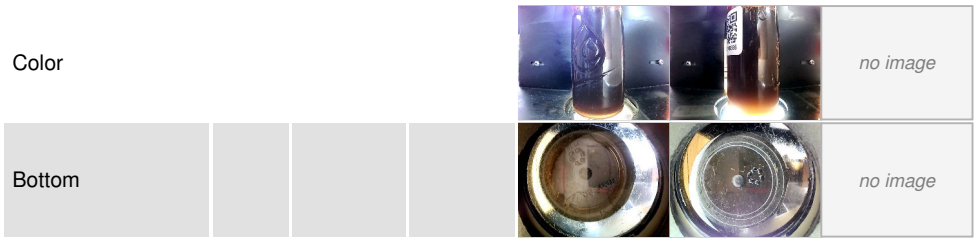
# OIL ANALYSIS REPORT



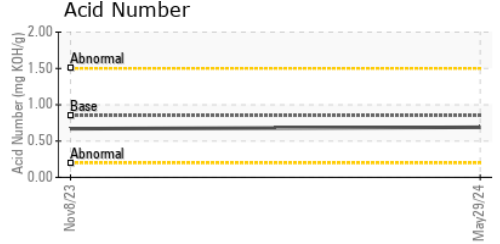
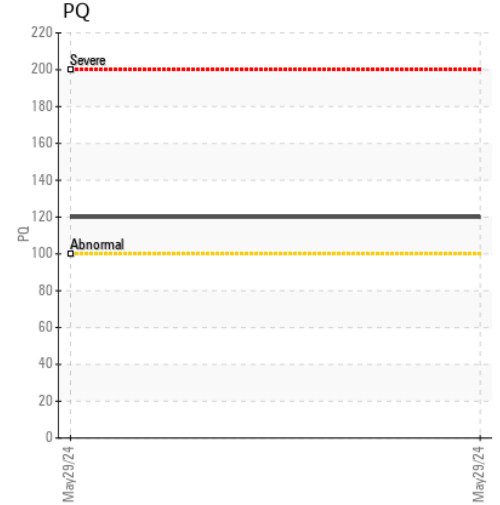
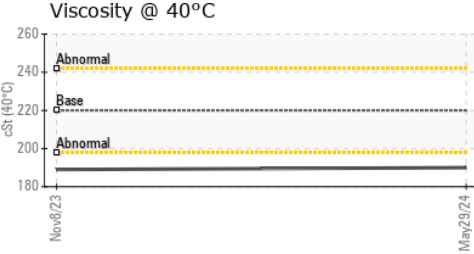
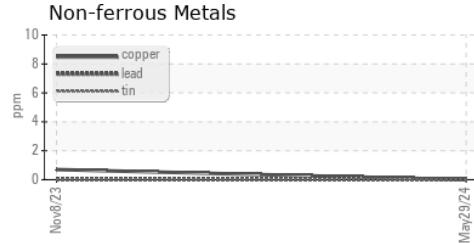
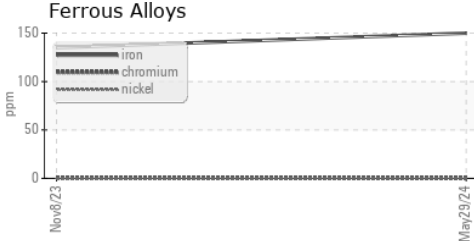
| VISUAL           | method | limit/base | current | history1 | history2 |
|------------------|--------|------------|---------|----------|----------|
| White Metal      | scalar | *Visual    | NONE    | NONE     | ---      |
| Yellow Metal     | scalar | *Visual    | NONE    | NONE     | ---      |
| 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    | >0.2    | NEG      | ---      |
| Free Water       | scalar | *Visual    |         | NEG      | ---      |

| FLUID PROPERTIES | method | limit/base | current | history1 | history2 |
|------------------|--------|------------|---------|----------|----------|
| Visc @ 40°C      | cSt    | ASTM D445  | 220     | 190      | 189      |

| SAMPLE IMAGES | method | limit/base | current | history1 | history2 |
|---------------|--------|------------|---------|----------|----------|
|---------------|--------|------------|---------|----------|----------|



## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0125317      **Received** : 03 Jun 2024  
**Lab Number** : **06197854**      **Tested** : 04 Jun 2024  
**Unique Number** : 11059977      **Diagnosed** : 04 Jun 2024 - Don Baldrige  
**Test Package** : PLANT

**Ardent Mills - Summit - Mount Pocono**  
 258 HARVEST LANE  
 SUMMIT, PA  
 US 18346  
 Contact: MICHAL NOWAK  
 MICHAL.NOWAK@ARDENTMILLS.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)

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F: (570)839-8327