



|                 |               |
|-----------------|---------------|
| WEAR            | <b>NORMAL</b> |
| CONTAMINATION   | <b>NORMAL</b> |
| FLUID CONDITION | <b>NORMAL</b> |

Area  
**FLEET/DILLON**

Machine Id  
**2026828**

Component  
**Diesel Engine**

Fluid  
**PETRO CANADA 10W30 (--- GAL)**

**RECOMMENDATION**

Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

| Test           | UOM | Method      | Limit/Abn | Current            | History1    | History2 |
|----------------|-----|-------------|-----------|--------------------|-------------|----------|
| Sample Number  |     | Client Info |           | <b>PCA0112316</b>  | PCA0102758  | ---      |
| Sample Date    |     | Client Info |           | <b>14 Dec 2023</b> | 07 Aug 2023 | ---      |
| Machine Age    | hrs | Client Info |           | <b>367925</b>      | 330440      | ---      |
| Oil Age        | hrs | Client Info |           | <b>40000</b>       | 330440      | ---      |
| Filter Age     | hrs | Client Info |           | <b>40000</b>       | 0           | ---      |
| Oil Changed    |     | Client Info |           | <b>Changed</b>     | N/A         | ---      |
| Filter Changed |     | Client Info |           | <b>Changed</b>     | N/A         | ---      |
| Sample Status  |     |             |           | <b>NORMAL</b>      | NORMAL      | ---      |

**WEAR**

All component wear rates are normal.

|              |        |             |      |              |      |     |
|--------------|--------|-------------|------|--------------|------|-----|
| Iron         | ppm    | ASTM D5185m | >100 | <b>27</b>    | 22   | --- |
| Chromium     | ppm    | ASTM D5185m | >20  | <b>&lt;1</b> | 0    | --- |
| Nickel       | ppm    | ASTM D5185m | >4   | <b>1</b>     | <1   | --- |
| Titanium     | ppm    | ASTM D5185m |      | <b>0</b>     | 0    | --- |
| Silver       | ppm    | ASTM D5185m | >3   | <b>&lt;1</b> | <1   | --- |
| Aluminum     | ppm    | ASTM D5185m | >20  | <b>5</b>     | 3    | --- |
| Lead         | ppm    | ASTM D5185m | >40  | <b>1</b>     | 2    | --- |
| Copper       | ppm    | ASTM D5185m | >330 | <b>7</b>     | 8    | --- |
| Tin          | ppm    | ASTM D5185m | >15  | <b>2</b>     | <1   | --- |
| Vanadium     | ppm    | ASTM D5185m |      | <b>&lt;1</b> | 0    | --- |
| White Metal  | scalar | *Visual     | NONE | <b>NONE</b>  | NONE | --- |
| Yellow Metal | scalar | *Visual     | NONE | <b>NONE</b>  | NONE | --- |

**CONTAMINATION**

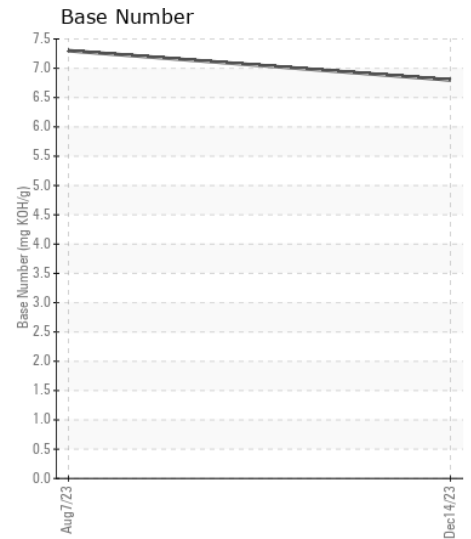
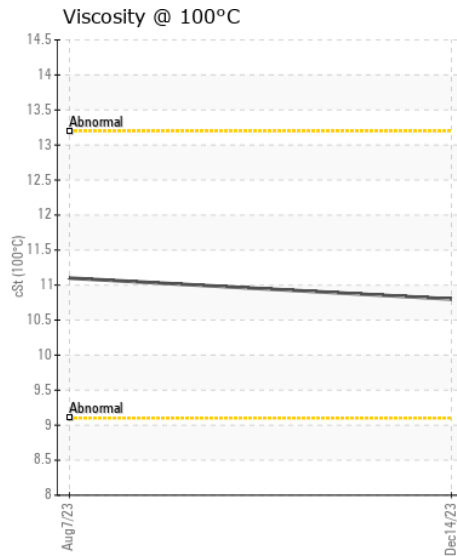
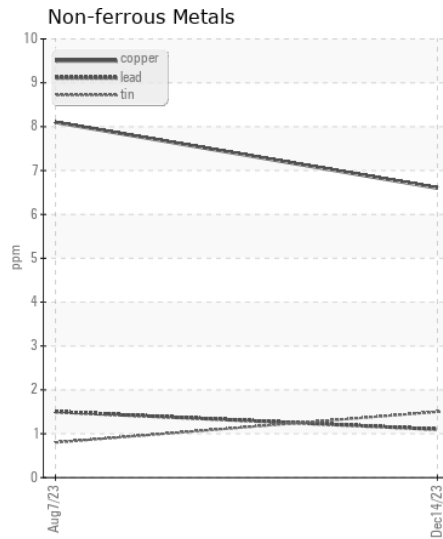
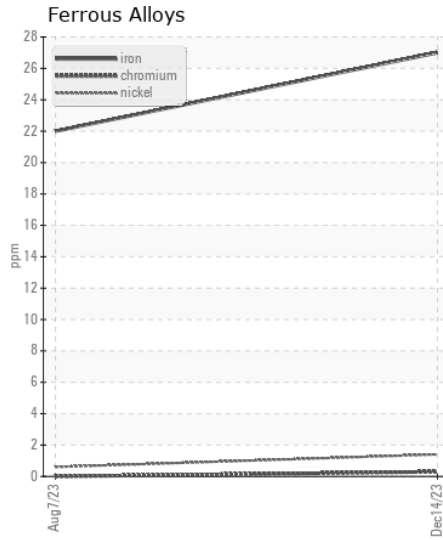
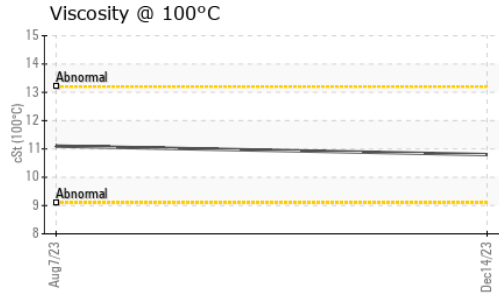
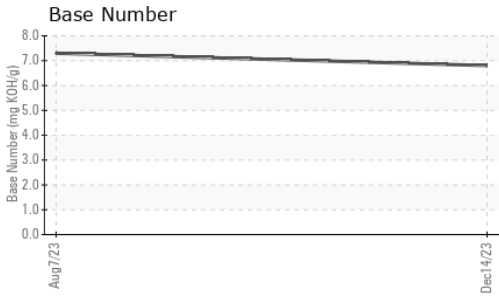
There is no indication of any contamination in the oil.

|                  |          |             |       |                |       |     |
|------------------|----------|-------------|-------|----------------|-------|-----|
| Silicon          | ppm      | ASTM D5185m | >25   | <b>4</b>       | 3     | --- |
| Potassium        | ppm      | ASTM D5185m | >20   | <b>0</b>       | 4     | --- |
| Fuel             |          | WC Method   | >5    | <b>&lt;1.0</b> | <1.0  | --- |
| Water            |          | WC Method   | >0.2  | <b>NEG</b>     | NEG   | --- |
| Glycol           |          | WC Method   |       | <b>NEG</b>     | NEG   | --- |
| Soot %           | %        | *ASTM D7844 | >3    | <b>0.5</b>     | 0.4   | --- |
| Nitration        | Abs/cm   | *ASTM D7624 | >20   | <b>8.9</b>     | 8.8   | --- |
| Sulfation        | Abs/.1mm | *ASTM D7415 | >30   | <b>19.6</b>    | 19.8  | --- |
| Silt             | scalar   | *Visual     | NONE  | <b>NONE</b>    | NONE  | --- |
| Debris           | scalar   | *Visual     | NONE  | <b>NONE</b>    | NONE  | --- |
| Sand/Dirt        | scalar   | *Visual     | NONE  | <b>NONE</b>    | NONE  | --- |
| Appearance       | scalar   | *Visual     | NORML | <b>NORML</b>   | NORML | --- |
| Odor             | scalar   | *Visual     | NORML | <b>NORML</b>   | NORML | --- |
| Emulsified Water | scalar   | *Visual     | >0.2  | <b>NEG</b>     | NEG   | --- |

**FLUID CONDITION**

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

|                  |          |             |     |             |      |     |
|------------------|----------|-------------|-----|-------------|------|-----|
| Sodium           | ppm      | ASTM D5185m |     | <b>0</b>    | 0    | --- |
| Boron            | ppm      | ASTM D5185m |     | <b>0</b>    | 0    | --- |
| Barium           | ppm      | ASTM D5185m |     | <b>0</b>    | 2    | --- |
| Molybdenum       | ppm      | ASTM D5185m |     | <b>60</b>   | 69   | --- |
| Manganese        | ppm      | ASTM D5185m |     | <b>1</b>    | <1   | --- |
| Magnesium        | ppm      | ASTM D5185m |     | <b>916</b>  | 956  | --- |
| Calcium          | ppm      | ASTM D5185m |     | <b>1017</b> | 1198 | --- |
| Phosphorus       | ppm      | ASTM D5185m |     | <b>977</b>  | 1086 | --- |
| Zinc             | ppm      | ASTM D5185m |     | <b>1241</b> | 1303 | --- |
| Sulfur           | ppm      | ASTM D5185m |     | <b>2919</b> | 3456 | --- |
| Oxidation        | Abs/.1mm | *ASTM D7414 | >25 | <b>15.3</b> | 15.4 | --- |
| Base Number (BN) | mg KOH/g | ASTM D2896  |     | <b>6.8</b>  | 7.30 | --- |
| Visc @ 100°C     | cSt      | ASTM D445   |     | <b>10.8</b> | 11.1 | --- |



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0112316 **Received** : 11 Jan 2024  
**Lab Number** : 06057905 **Diagnosed** : 12 Jan 2024  
**Unique Number** : 10829287 **Diagnostician** : Wes Davis  
**Test Package** : FLEET

**PERDUE FARMS - DILLON**  
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 DILLON, SC  
 US 29536  
 Contact: KEVIN HOOKS  
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 F: (843)841-8070

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)