



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

Area  
**FLEET**  
Machine Id  
**2126932**

Component  
**1 Differential**  
Fluid  
**GEAR OIL SAE 80 (--- GAL)**

**RECOMMENDATION**

We advise that you check all areas where dirt can enter the system. Resample at the next service interval to monitor.

| Test           | UOM | Method      | Limit/Abn | Current     | History1 | History2 |
|----------------|-----|-------------|-----------|-------------|----------|----------|
| Sample Number  |     | Client Info |           | PCA0112289  | ---      | ---      |
| Sample Date    |     | Client Info |           | 22 Dec 2023 | ---      | ---      |
| Machine Age    | hrs | Client Info |           | 0           | ---      | ---      |
| Oil Age        | hrs | Client Info |           | 0           | ---      | ---      |
| Filter Age     | hrs | Client Info |           | 0           | ---      | ---      |
| Oil Changed    |     | Client Info |           | N/A         | ---      | ---      |
| Filter Changed |     | Client Info |           | N/A         | ---      | ---      |
| Sample Status  |     |             |           | ABNORMAL    | ---      | ---      |

**WEAR**

All component wear rates are normal.

|              |        |             |      |      |     |     |
|--------------|--------|-------------|------|------|-----|-----|
| Iron         | ppm    | ASTM D5185m | >500 | 387  | --- | --- |
| Chromium     | ppm    | ASTM D5185m | >10  | 5    | --- | --- |
| Nickel       | ppm    | ASTM D5185m | >10  | 4    | --- | --- |
| Titanium     | ppm    | ASTM D5185m |      | <1   | --- | --- |
| Silver       | ppm    | ASTM D5185m |      | 0    | --- | --- |
| Aluminum     | ppm    | ASTM D5185m | >25  | 3    | --- | --- |
| Lead         | ppm    | ASTM D5185m | >25  | 10   | --- | --- |
| Copper       | ppm    | ASTM D5185m | >100 | 63   | --- | --- |
| Tin          | ppm    | ASTM D5185m | >10  | 8    | --- | --- |
| Vanadium     | ppm    | ASTM D5185m |      | 0    | --- | --- |
| White Metal  | scalar | *Visual     | NONE | NONE | --- | --- |
| Yellow Metal | scalar | *Visual     | NONE | NONE | --- | --- |

**CONTAMINATION**

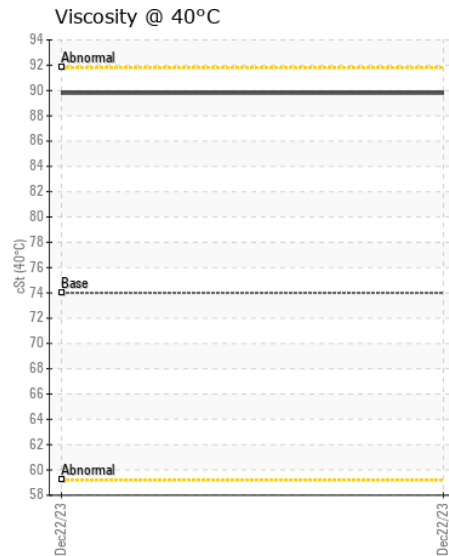
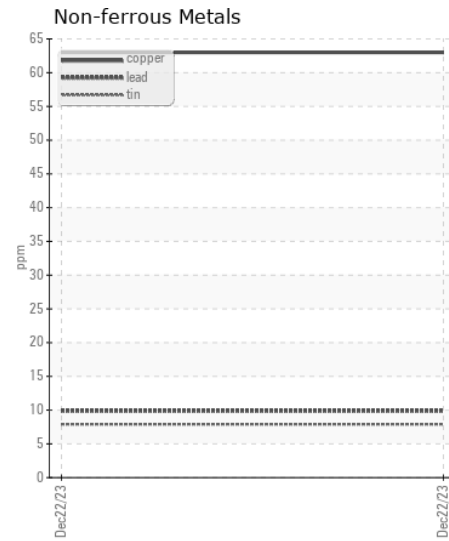
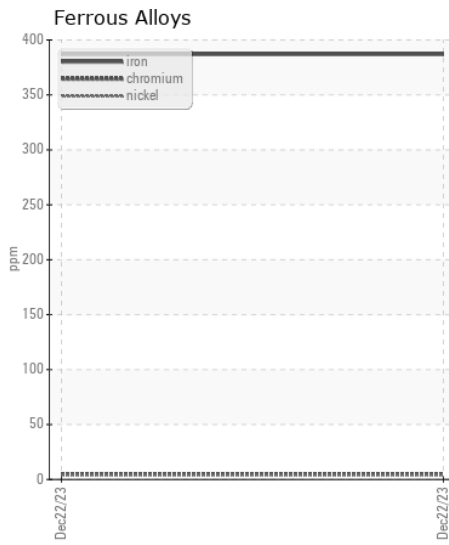
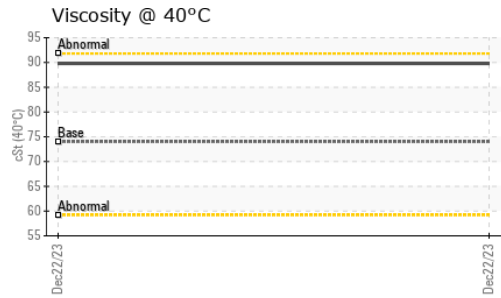
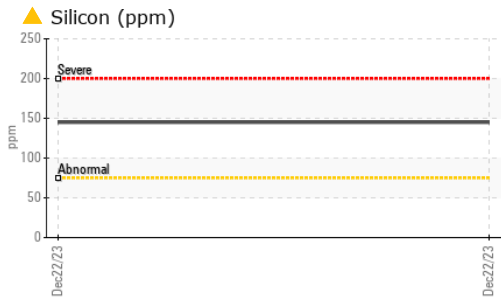
Elemental level of silicon (Si) above normal indicating ingress of dirt/seal material.

|                  |        |             |       |       |     |     |
|------------------|--------|-------------|-------|-------|-----|-----|
| Silicon          | ppm    | ASTM D5185m | >75   | ▲ 145 | --- | --- |
| Potassium        | ppm    | ASTM D5185m | >20   | 2     | --- | --- |
| Water            |        | WC Method   | >.2   | NEG   | --- | --- |
| Silt             | scalar | *Visual     | NONE  | LIGHT | --- | --- |
| 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     | >.2   | NEG   | --- | --- |

**FLUID CONDITION**

The condition of the oil is acceptable for the time in service.

|             |     |             |       |       |     |     |
|-------------|-----|-------------|-------|-------|-----|-----|
| Sodium      | ppm | ASTM D5185m |       | 8     | --- | --- |
| Boron       | ppm | ASTM D5185m | 400   | 105   | --- | --- |
| Barium      | ppm | ASTM D5185m | 200   | 6     | --- | --- |
| Molybdenum  | ppm | ASTM D5185m | 12    | <1    | --- | --- |
| Manganese   | ppm | ASTM D5185m |       | 14    | --- | --- |
| Magnesium   | ppm | ASTM D5185m | 12    | 3     | --- | --- |
| Calcium     | ppm | ASTM D5185m | 150   | 106   | --- | --- |
| Phosphorus  | ppm | ASTM D5185m | 1650  | 1094  | --- | --- |
| Zinc        | ppm | ASTM D5185m | 125   | 26    | --- | --- |
| Sulfur      | ppm | ASTM D5185m | 22500 | 23231 | --- | --- |
| Visc @ 40°C | cSt | ASTM D445   | 74    | 89.8  | --- | --- |



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0112289 **Received** : 11 Jan 2024  
**Lab Number** : 06058417 **Diagnosed** : 14 Jan 2024  
**Unique Number** : 10829799 **Diagnostician** : Don Baldrige  
**Test Package** : FLEET

**PERDUE FARMS - DILLON**  
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 DILLON, SC  
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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)