



# OIL ANALYSIS REPORT

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

Area  
**Store 2 - Beaver [RO#149656]**

Machine Id  
**PRINOTH T12 935300205**

Component  
**Left Propel Gearbox**

Fluid  
**GEAR OIL ISO 220 (1 GAL)**

## RECOMMENDATION

The oil change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.

## WEAR

Gear wear is indicated. Bearing and/or bushing wear is indicated. All other metal levels are typical for a new component breaking in.

## CONTAMINATION

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

## FLUID CONDITION

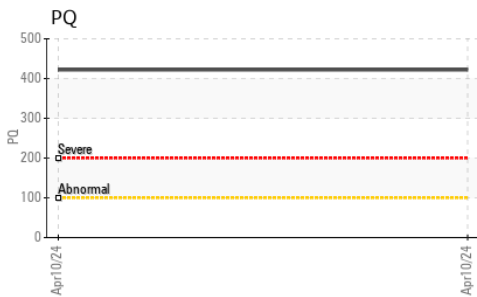
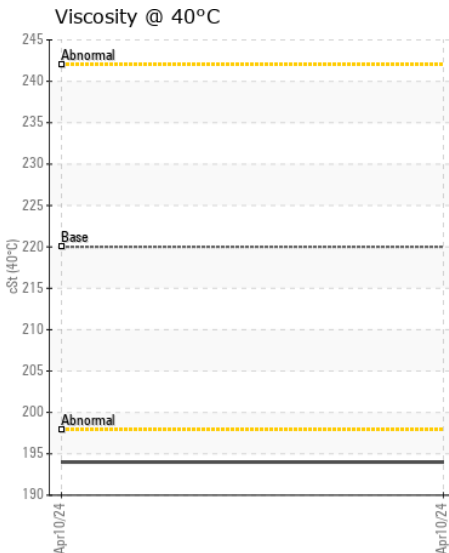
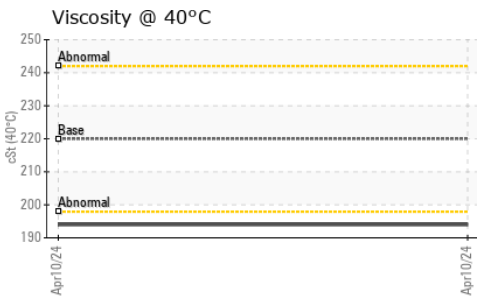
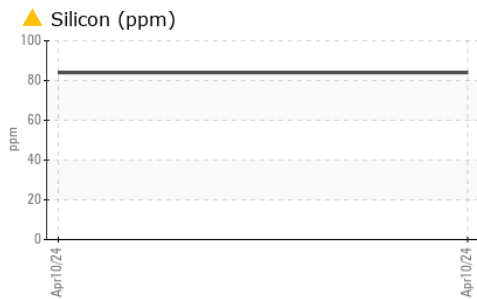
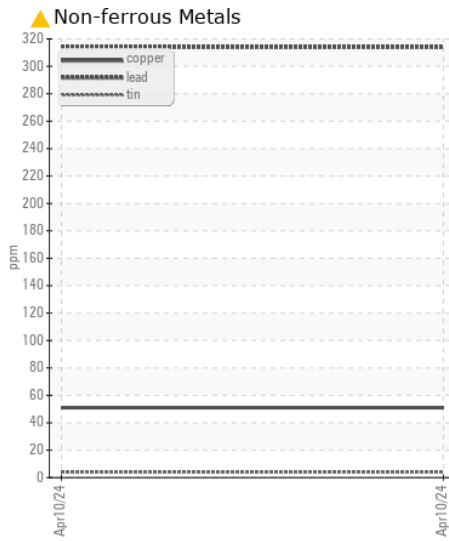
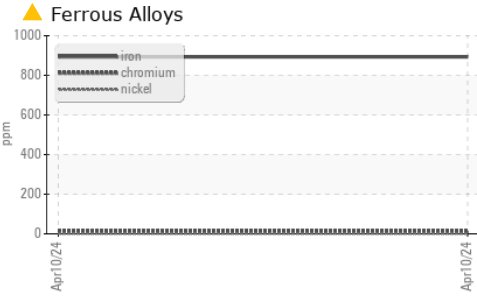
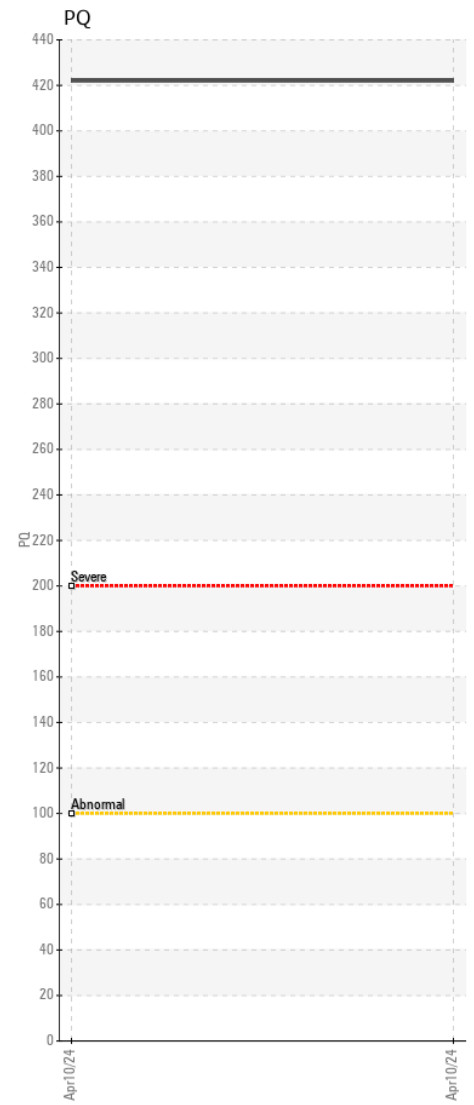
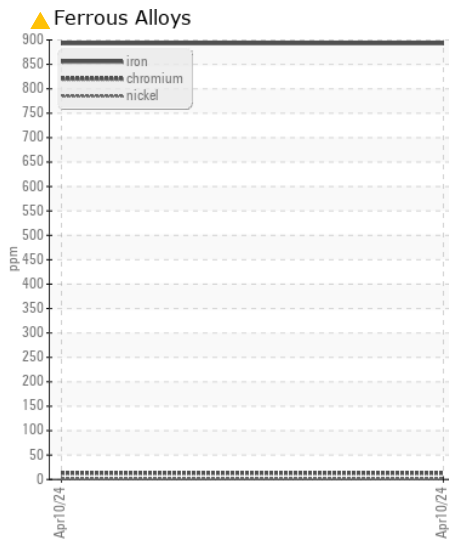
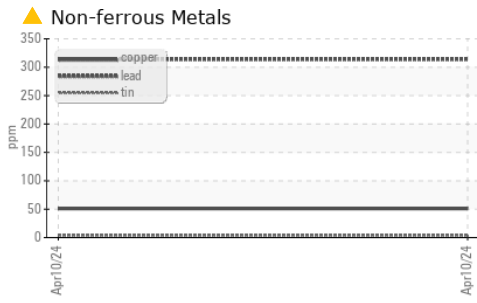
The condition of the oil is acceptable for the time in service.

| Test           | UOM | Method      | Limit/Abn | Current     | History1 | History2 |
|----------------|-----|-------------|-----------|-------------|----------|----------|
| Sample Number  |     | Client Info |           | LEC0048870  | ---      | ---      |
| Sample Date    |     | Client Info |           | 10 Apr 2024 | ---      | ---      |
| Machine Age    | hrs | Client Info |           | 607         | ---      | ---      |
| Oil Age        | hrs | Client Info |           | 607         | ---      | ---      |
| Filter Age     | hrs | Client Info |           | 0           | ---      | ---      |
| Oil Changed    |     | Client Info |           | Changed     | ---      | ---      |
| Filter Changed |     | Client Info |           | N/A         | ---      | ---      |
| Sample Status  |     |             |           | ABNORMAL    | ---      | ---      |

|              |        |             |      |       |     |     |
|--------------|--------|-------------|------|-------|-----|-----|
| PQ           |        | ASTM D8184  |      | 422   | --- | --- |
| Iron         | ppm    | ASTM D5185m | >200 | ▲ 893 | --- | --- |
| Chromium     | ppm    | ASTM D5185m | >10  | 13    | --- | --- |
| Nickel       | ppm    | ASTM D5185m | >10  | 1     | --- | --- |
| Titanium     | ppm    | ASTM D5185m |      | 2     | --- | --- |
| Silver       | ppm    | ASTM D5185m |      | 0     | --- | --- |
| Aluminum     | ppm    | ASTM D5185m |      | 15    | --- | --- |
| Lead         | ppm    | ASTM D5185m |      | ▲ 314 | --- | --- |
| Copper       | ppm    | ASTM D5185m |      | 51    | --- | --- |
| Tin          | ppm    | ASTM D5185m |      | 4     | --- | --- |
| Vanadium     | ppm    | ASTM D5185m |      | <1    | --- | --- |
| White Metal  | scalar | *Visual     | NONE | NONE  | --- | --- |
| Yellow Metal | scalar | *Visual     | NONE | NONE  | --- | --- |

|                  |        |             |       |       |     |     |
|------------------|--------|-------------|-------|-------|-----|-----|
| Silicon          | ppm    | ASTM D5185m |       | ▲ 84  | --- | --- |
| Potassium        | ppm    | ASTM D5185m | >20   | 6     | --- | --- |
| Water            |        | WC Method   | >0.2  | NEG   | --- | --- |
| 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   | --- | --- |

|             |     |             |       |      |     |     |
|-------------|-----|-------------|-------|------|-----|-----|
| Sodium      | ppm | ASTM D5185m |       | 18   | --- | --- |
| Boron       | ppm | ASTM D5185m | 50    | 18   | --- | --- |
| Barium      | ppm | ASTM D5185m | 15    | 71   | --- | --- |
| Molybdenum  | ppm | ASTM D5185m | 15    | 1    | --- | --- |
| Manganese   | ppm | ASTM D5185m |       | 8    | --- | --- |
| Magnesium   | ppm | ASTM D5185m | 50    | 8    | --- | --- |
| Calcium     | ppm | ASTM D5185m | 50    | 21   | --- | --- |
| Phosphorus  | ppm | ASTM D5185m | 350   | 398  | --- | --- |
| Zinc        | ppm | ASTM D5185m | 100   | 32   | --- | --- |
| Sulfur      | ppm | ASTM D5185m | 12500 | 7406 | --- | --- |
| Visc @ 40°C | cSt | ASTM D445   | 220   | 194  | --- | --- |



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : LEC0048870 **Received** : 15 Apr 2024  
**Lab Number** : 06149697 **Tested** : 16 Apr 2024  
**Unique Number** : 10979775 **Diagnosed** : 18 Apr 2024 - Don Baldrige  
**Test Package** : CONST ( Additional Tests: PQ )

**LESLIE EQUIPMENT COMPANY**  
 105 TENNIS CENTER DR.  
 MARIETTA, OH  
 US 45750-9765  
 Contact: LEANNE KENDALL  
 KendalLeanne@lec1.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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