



OIL ANALYSIS REPORT

| | |
|-----------------|------------------|
| WEAR | NORMAL |
| CONTAMINATION | ATTENTION |
| FLUID CONDITION | NORMAL |

Area
Store 8 - Pikeville [RO#146780]
Machine Id
PRINOTH T12 935300138
Component
Hydraulic System
Fluid
ATF (24 GAL)

RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------|-----|-------------|-----------|--------------------|-------------|-------------|
| Sample Number | | Client Info | | LEC0047450 | LEC0035841 | LEC0032564 |
| Sample Date | | Client Info | | 06 Feb 2024 | 03 Nov 2022 | 22 Jul 2022 |
| Machine Age | hrs | Client Info | | 1572 | 1294 | 1181 |
| Oil Age | hrs | Client Info | | 1572 | 1294 | 1181 |
| Filter Age | hrs | Client Info | | 803 | 0 | 1181 |
| Oil Changed | | Client Info | | Not Changd | Not Changd | Not Changd |
| Filter Changed | | Client Info | | Not Changd | Not Changd | Not Changd |
| Sample Status | | | | ATTENTION | NORMAL | NORMAL |

WEAR

All component wear rates are normal.

| PQ | UOM | Method | Limit/Abn | Current | History1 | History2 |
|--------------|--------|-------------|-----------|--------------|----------|----------|
| Iron | ppm | ASTM D5185m | >20 | 11 | 10 | 10 |
| Chromium | ppm | ASTM D5185m | >10 | <1 | <1 | 0 |
| Nickel | ppm | ASTM D5185m | >10 | 0 | 0 | 0 |
| Titanium | ppm | ASTM D5185m | | 0 | 0 | 0 |
| Silver | ppm | ASTM D5185m | | 0 | 0 | <1 |
| Aluminum | ppm | ASTM D5185m | >10 | <1 | <1 | <1 |
| Lead | ppm | ASTM D5185m | >10 | 2 | 2 | 2 |
| Copper | ppm | ASTM D5185m | >75 | 3 | 3 | 3 |
| Tin | ppm | ASTM D5185m | >10 | 0 | 0 | 0 |
| Vanadium | ppm | ASTM D5185m | | 0 | 0 | 0 |
| White Metal | scalar | *Visual | NONE | NONE | NONE | NONE |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE | NONE |

CONTAMINATION

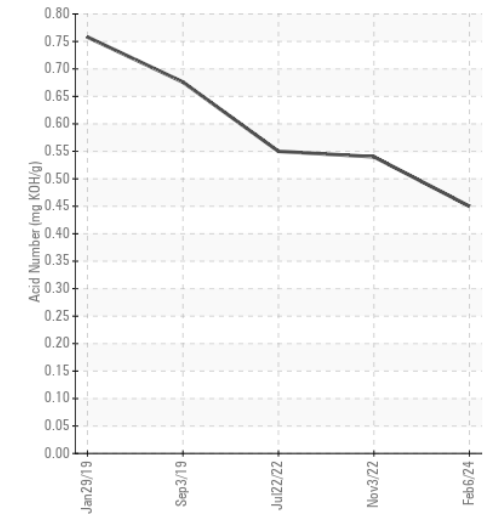
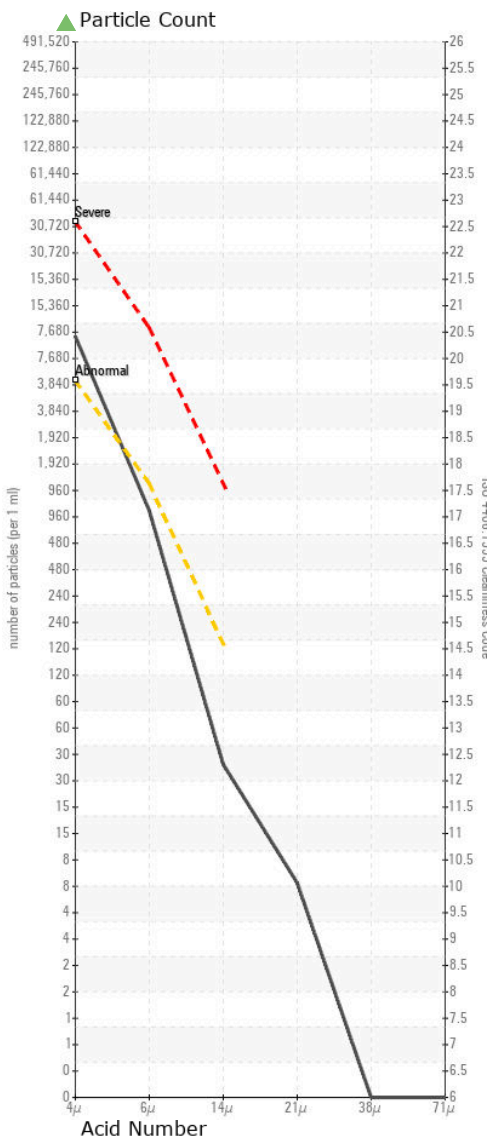
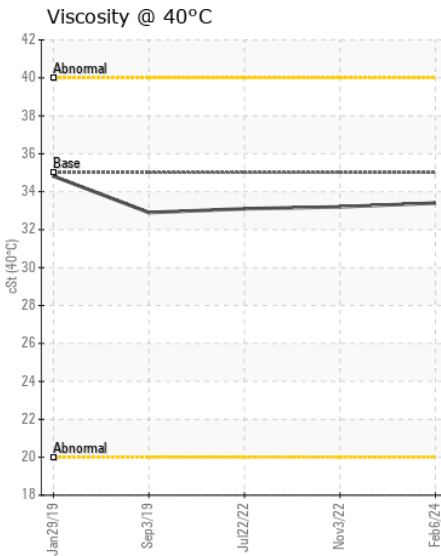
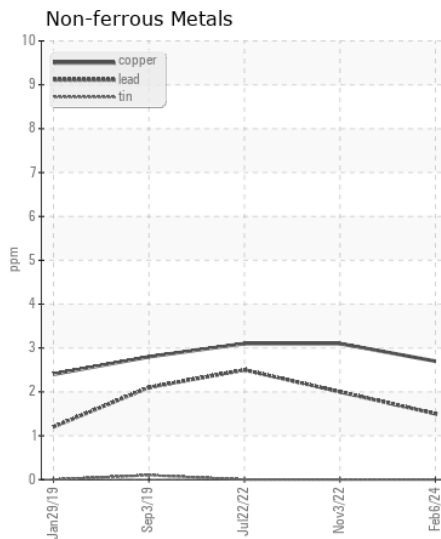
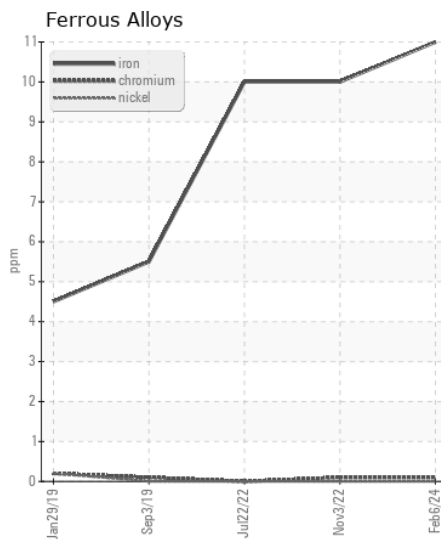
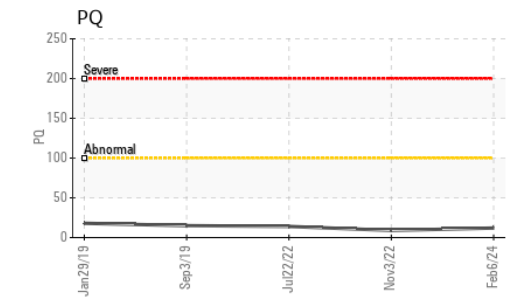
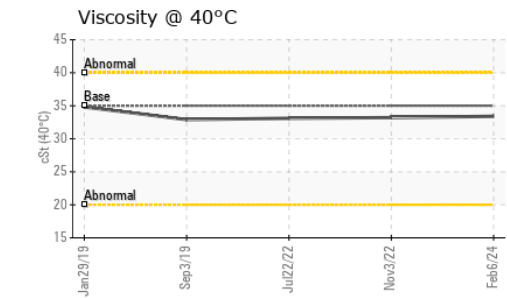
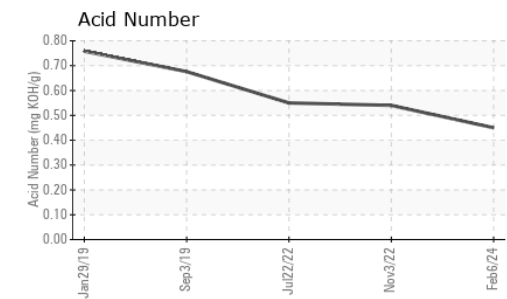
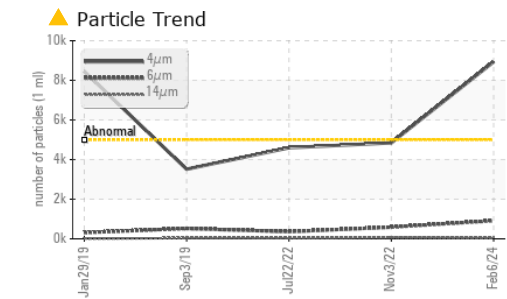
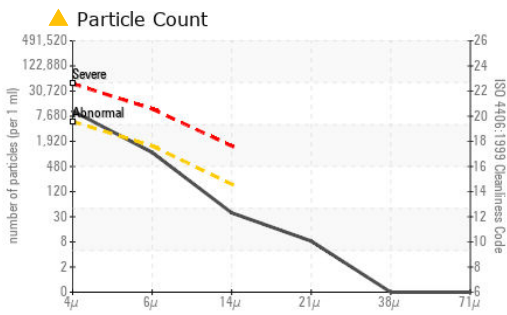
There is a moderate amount of silt (particulates < 14 microns in size) present in the oil.

| | | | | | | |
|------------------|--------|--------------|-----------|-------------------|----------|----------|
| Silicon | ppm | ASTM D5185m | >20 | 2 | 1 | 2 |
| Potassium | ppm | ASTM D5185m | >20 | 0 | 0 | 2 |
| Water | | WC Method | >0.1 | NEG | NEG | NEG |
| Particles >4µm | | ASTM D7647 | >5000 | ▲ 8936 | 4844 | 4598 |
| Particles >6µm | | ASTM D7647 | >1300 | 913 | 589 | 361 |
| Particles >14µm | | ASTM D7647 | >160 | 33 | 64 | 30 |
| Particles >21µm | | ASTM D7647 | >40 | 7 | 26 | 10 |
| Particles >38µm | | ASTM D7647 | >10 | 0 | 1 | 0 |
| Particles >71µm | | ASTM D7647 | >3 | 0 | 0 | 0 |
| Oil Cleanliness | | ISO 4406 (c) | >19/17/14 | ▲ 20/17/12 | 19/16/13 | 19/16/12 |
| Silt | scalar | *Visual | NONE | NONE | NONE | NONE |
| Debris | scalar | *Visual | NONE | NONE | LIGHT | LIGHT |
| Sand/Dirt | scalar | *Visual | NONE | NONE | NONE | NONE |
| Appearance | scalar | *Visual | NORML | NORML | NORML | NORML |
| Odor | scalar | *Visual | NORML | NORML | NORML | NORML |
| Emulsified Water | scalar | *Visual | >0.1 | NEG | NEG | NEG |

FLUID CONDITION

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

| | | | | | | |
|------------------|----------|-------------|------|--------------|------|------|
| Sodium | ppm | ASTM D5185m | | 1 | <1 | 0 |
| Boron | ppm | ASTM D5185m | | 9 | 10 | 11 |
| Barium | ppm | ASTM D5185m | | 0 | 0 | 0 |
| Molybdenum | ppm | ASTM D5185m | | 0 | 1 | <1 |
| Manganese | ppm | ASTM D5185m | | <1 | <1 | 0 |
| Magnesium | ppm | ASTM D5185m | | 56 | 55 | 57 |
| Calcium | ppm | ASTM D5185m | | 684 | 629 | 657 |
| Phosphorus | ppm | ASTM D5185m | | 432 | 421 | 424 |
| Zinc | ppm | ASTM D5185m | | 451 | 415 | 449 |
| Sulfur | ppm | ASTM D5185m | | 1584 | 1603 | 1895 |
| Acid Number (AN) | mg KOH/g | ASTM D8045 | | 0.45 | 0.54 | 0.55 |
| Visc @ 40°C | cSt | ASTM D445 | 35.0 | 33.4 | 33.2 | 33.1 |



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0047450 **Received** : 08 Feb 2024
Lab Number : 06084300 **Tested** : 09 Feb 2024
Unique Number : 10871745 **Diagnosed** : 12 Feb 2024 - Don Baldrige
Test Package : CONST (Additional Tests: PQ)

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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)