



OIL ANALYSIS REPORT

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

Area
Store 9 - Marietta
Machine Id
PRINOTH T14 935310221
Component
Right Planetary
Fluid
GEAR OIL (PAO) ISO 220 (2 LTR)

RECOMMENDATION

Resample at the next service interval to monitor.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------|-----|-------------|-----------|--------------------|-------------|-------------|
| Sample Number | | Client Info | | LEC0050571 | LEC0050549 | LEC0044869 |
| Sample Date | | Client Info | | 16 May 2024 | 06 May 2024 | 15 Nov 2023 |
| Machine Age | hrs | Client Info | | 1951 | 1941 | 1828 |
| Oil Age | hrs | Client Info | | 10 | 113 | 354 |
| Filter Age | hrs | Client Info | | 0 | 0 | 0 |
| Oil Changed | | Client Info | | Changed | Not Changd | Changed |
| Filter Changed | | Client Info | | None | None | None |
| Sample Status | | | | ATTENTION | SEVERE | SEVERE |

WEAR

All component wear rates are normal.

| | | | | | | |
|--------------|--------|-------------|------|--------------|-------|--------|
| PQ | | ASTM D8184 | | 85 | 214 | 334 |
| Iron | ppm | ASTM D5185m | >500 | 121 | 309 | ▲ 3756 |
| Chromium | ppm | ASTM D5185m | >10 | <1 | 3 | ▲ 29 |
| Nickel | ppm | ASTM D5185m | >10 | 0 | 0 | ▲ 20 |
| Titanium | ppm | ASTM D5185m | | 0 | <1 | 1 |
| Silver | ppm | ASTM D5185m | | 0 | 0 | <1 |
| Aluminum | ppm | ASTM D5185m | >25 | 1 | 2 | 10 |
| Lead | ppm | ASTM D5185m | >25 | 0 | ▲ 28 | ▲ 213 |
| Copper | ppm | ASTM D5185m | >75 | <1 | ▲ 859 | ▲ 6433 |
| Tin | ppm | ASTM D5185m | >10 | 0 | ▲ 57 | ▲ 874 |
| Vanadium | ppm | ASTM D5185m | | 0 | 0 | <1 |
| White Metal | scalar | *Visual | NONE | NONE | NONE | NONE |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE | NONE |

CONTAMINATION

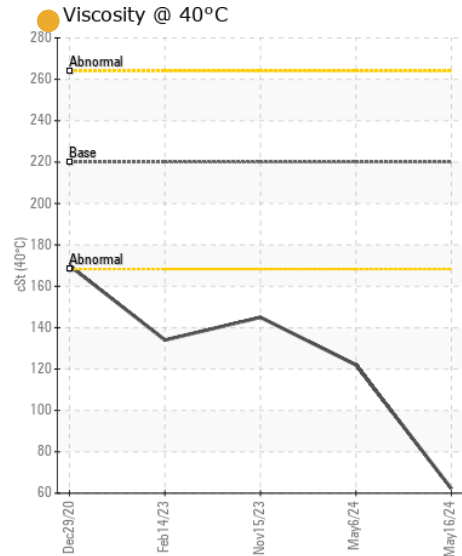
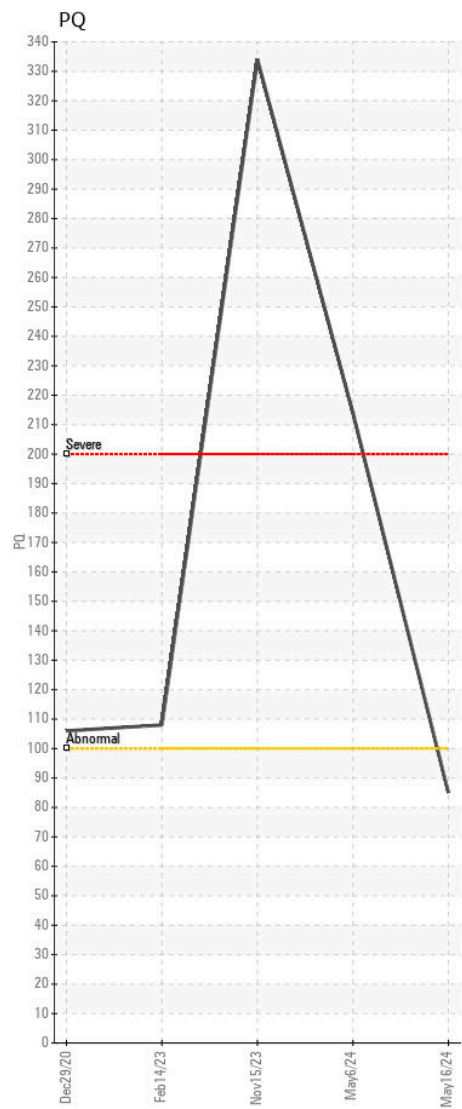
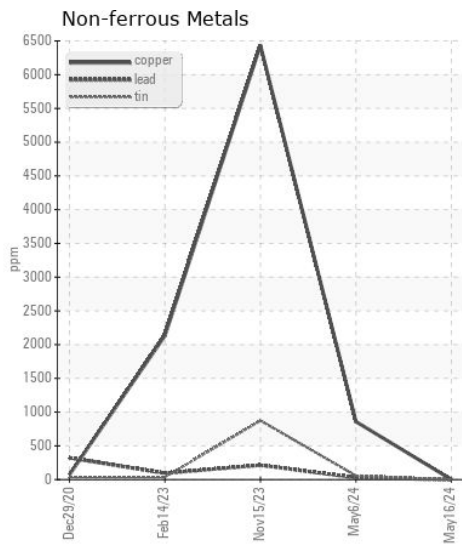
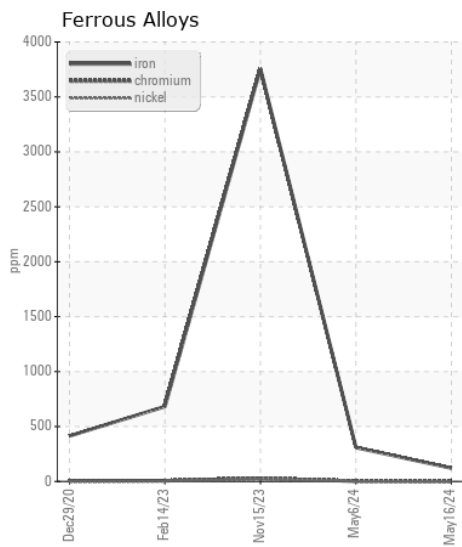
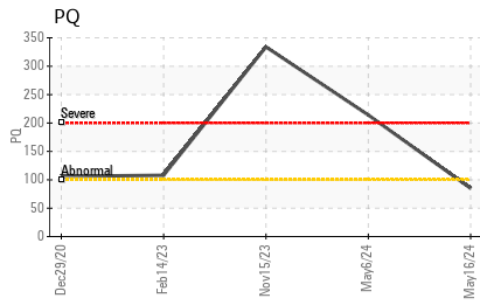
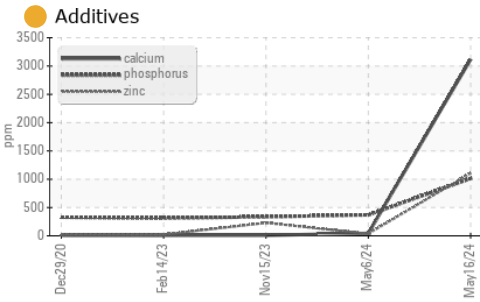
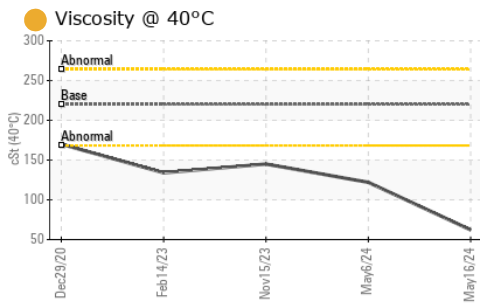
There is no indication of any contamination in the oil.

| | | | | | | |
|------------------|--------|-------------|-------|--------------|-------|-------|
| Silicon | ppm | ASTM D5185m | >75 | 15 | 16 | 83 |
| Potassium | ppm | ASTM D5185m | >20 | 0 | 0 | 2 |
| Water | | WC Method | >0.2 | NEG | NEG | NEG |
| Silt | scalar | *Visual | NONE | NONE | NONE | NONE |
| Debris | scalar | *Visual | NONE | NONE | NONE | NONE |
| 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 | >0.2 | NEG | NEG | 0.2% |

FLUID CONDITION

The oil viscosity is lower than normal. This plus the additive levels indicates the addition of a different brand, or type of oil. Confirm oil type.

| | | | | | | |
|-------------|-----|-------------|------|---------------|-------|-------|
| Sodium | ppm | ASTM D5185m | | <1 | <1 | 0 |
| Boron | ppm | ASTM D5185m | 25 | 11 | 1 | 2 |
| Barium | ppm | ASTM D5185m | 12 | 0 | <1 | <1 |
| Molybdenum | ppm | ASTM D5185m | 5 | 3 | 0 | 0 |
| Manganese | ppm | ASTM D5185m | | <1 | 2 | 26 |
| Magnesium | ppm | ASTM D5185m | 25 | ● 106 | 2 | 4 |
| Calcium | ppm | ASTM D5185m | 25 | ● 3118 | 44 | 9 |
| Phosphorus | ppm | ASTM D5185m | 375 | ● 1013 | 370 | 335 |
| Zinc | ppm | ASTM D5185m | 25 | ● 1103 | 37 | 230 |
| Sulfur | ppm | ASTM D5185m | 4900 | ● 5086 | 20763 | 18263 |
| Visc @ 40°C | cSt | ASTM D445 | 220 | ● 62.2 | ● 122 | ● 145 |



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0050571 **Received** : 21 May 2024
Lab Number : 06186500 **Tested** : 22 May 2024
Unique Number : 11043252 **Diagnosed** : 23 May 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)