



OIL ANALYSIS REPORT

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

Area
Store 9 - Marietta [144258]
 Machine Id
PRIME TECH PT-300 PT-300-00806
 Component
Left Final Drive
 Fluid
GEAR OIL SAE 75W90 (2 GAL)

RECOMMENDATION

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------|-----|-------------|-----------|--------------------|-------------|----------|
| Sample Number | | Client Info | | LEC0045972 | LEC0044394 | --- |
| Sample Date | | Client Info | | 08 Jan 2024 | 18 Aug 2023 | --- |
| Machine Age | hrs | Client Info | | 852 | 538 | --- |
| Oil Age | hrs | Client Info | | 314 | 538 | --- |
| Filter Age | hrs | Client Info | | 0 | 0 | --- |
| Oil Changed | | Client Info | | Changed | Changed | --- |
| Filter Changed | | Client Info | | N/A | None | --- |
| Sample Status | | | | NORMAL | NORMAL | --- |

WEAR

Metal levels are typical for a new component breaking in.

| | | | | | | |
|--------------|--------|-------------|------|--------------|------|-----|
| PQ | | ASTM D8184 | | 169 | 216 | --- |
| Iron | ppm | ASTM D5185m | >500 | 741 | 936 | --- |
| Chromium | ppm | ASTM D5185m | >10 | 14 | 19 | --- |
| Nickel | ppm | ASTM D5185m | >10 | 3 | 2 | --- |
| Titanium | ppm | ASTM D5185m | | <1 | 2 | --- |
| Silver | ppm | ASTM D5185m | | 0 | 0 | --- |
| Aluminum | ppm | ASTM D5185m | >25 | 5 | 7 | --- |
| Lead | ppm | ASTM D5185m | >25 | <1 | <1 | --- |
| Copper | ppm | ASTM D5185m | >50 | 10 | 13 | --- |
| Tin | ppm | ASTM D5185m | >10 | <1 | 0 | --- |
| Vanadium | ppm | ASTM D5185m | | <1 | <1 | --- |
| White Metal | scalar | *Visual | NONE | NONE | NONE | --- |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE | --- |

CONTAMINATION

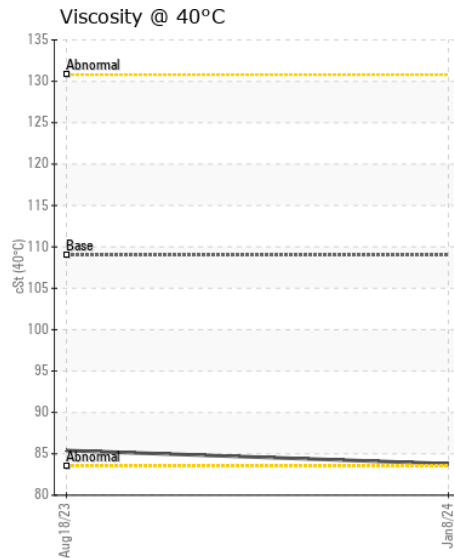
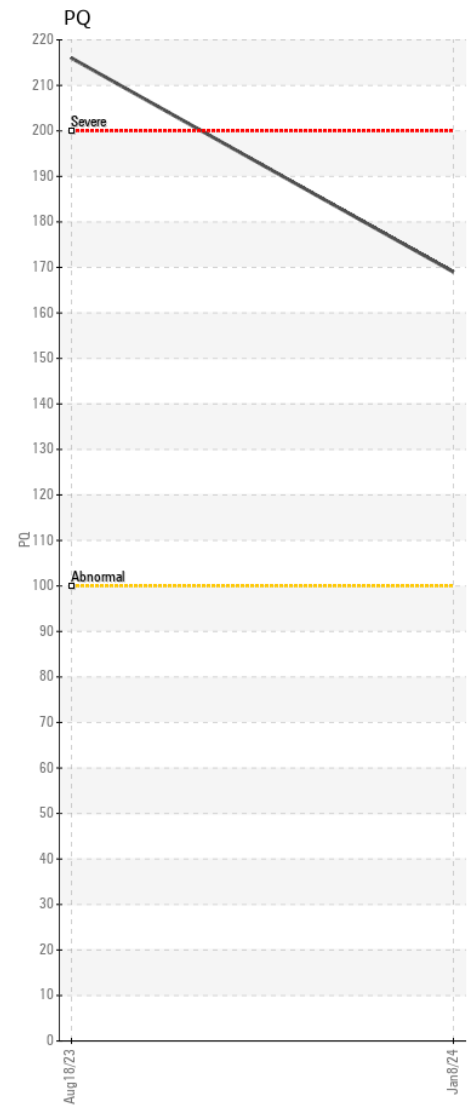
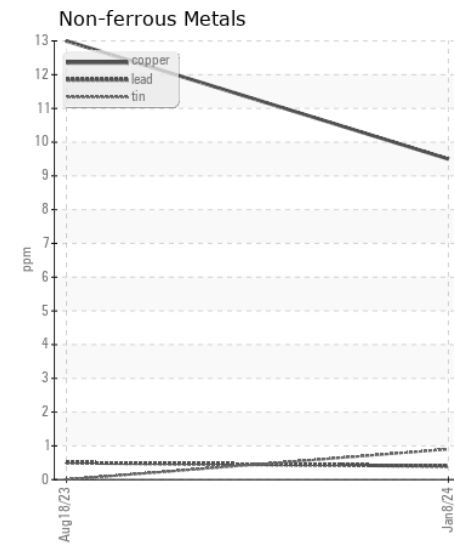
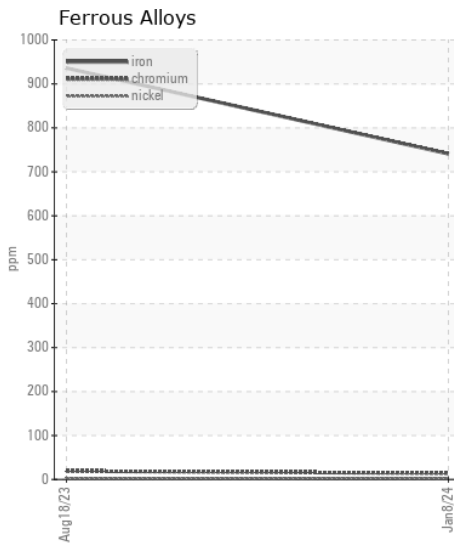
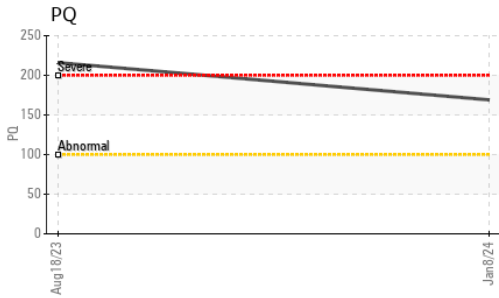
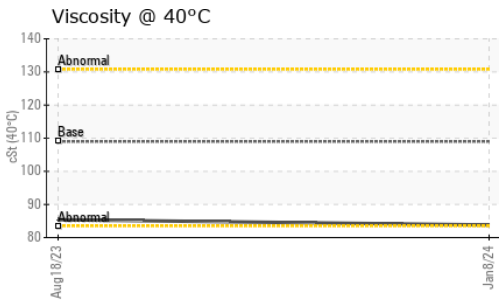
There is no indication of any contamination in the oil.

| | | | | | | |
|------------------|--------|-------------|-------|--------------|-------|-----|
| Silicon | ppm | ASTM D5185m | >75 | 39 | 63 | --- |
| Potassium | ppm | ASTM D5185m | >20 | 3 | 9 | --- |
| Water | | WC Method | >0.2 | NEG | NEG | --- |
| Silt | scalar | *Visual | NONE | NONE | NONE | --- |
| Debris | scalar | *Visual | NONE | NONE | NONE | --- |
| Sand/Dirt | scalar | *Visual | NONE | NONE | NONE | --- |
| Appearance | scalar | *Visual | NORML | NORML | NORML | --- |
| Odor | scalar | *Visual | NORML | NORML | NORML | --- |
| Emulsified Water | scalar | *Visual | >0.2 | NEG | NEG | --- |

FLUID CONDITION

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

| | | | | | | |
|-------------|-----|-------------|-------|--------------|-------|-----|
| Sodium | ppm | ASTM D5185m | | 41 | 74 | --- |
| Boron | ppm | ASTM D5185m | 400 | 333 | 625 | --- |
| Barium | ppm | ASTM D5185m | 200 | 0 | 1 | --- |
| Molybdenum | ppm | ASTM D5185m | 12 | 0 | 1 | --- |
| Manganese | ppm | ASTM D5185m | | 12 | 17 | --- |
| Magnesium | ppm | ASTM D5185m | 12 | 787 | 1147 | --- |
| Calcium | ppm | ASTM D5185m | 150 | 73 | 118 | --- |
| Phosphorus | ppm | ASTM D5185m | 1650 | 1359 | 1959 | --- |
| Zinc | ppm | ASTM D5185m | 125 | 48 | 69 | --- |
| Sulfur | ppm | ASTM D5185m | 22500 | 21597 | 32894 | --- |
| Visc @ 40°C | cSt | ASTM D445 | 109 | 83.8 | 85.4 | --- |



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0045972 **Received** : 11 Jan 2024
Lab Number : 06058365 **Diagnosed** : 14 Jan 2024
Unique Number : 10829747 **Diagnostician** : 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)