



OIL ANALYSIS REPORT

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

Machine Id

C-6
Component
Swing Drive

Fluid
KENDALL LIMITED SLIP AXLE LUBE 80W90 SAE (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------|-----|-------------|-----------|--------------------|-------------|-------------|
| Sample Number | | Client Info | | WC0948392 | WC0849470 | WC0809707 |
| Sample Date | | Client Info | | 02 Jul 2024 | 01 Sep 2023 | 04 May 2023 |
| Machine Age | hrs | Client Info | | 24444 | 23102 | 22240 |
| Oil Age | hrs | Client Info | | 1342 | 1807 | 22240 |
| Filter Age | hrs | Client Info | | 0 | 0 | 0 |
| Oil Changed | | Client Info | | Changed | N/A | Changed |
| Filter Changed | | Client Info | | None | N/A | Changed |
| Sample Status | | | | NORMAL | NORMAL | ABNORMAL |

WEAR

All component wear rates are normal.

| | | | | | | |
|--------------|--------|-------------|------|--------------|------|--------|
| Iron | ppm | ASTM D5185m | >400 | 345 | 386 | ▲ 1408 |
| Chromium | ppm | ASTM D5185m | >10 | 4 | 5 | ▲ 14 |
| Nickel | ppm | ASTM D5185m | >10 | 2 | 2 | 5 |
| Titanium | ppm | ASTM D5185m | | <1 | <1 | <1 |
| Silver | ppm | ASTM D5185m | | 0 | 0 | 0 |
| Aluminum | ppm | ASTM D5185m | >25 | <1 | 1 | 2 |
| Lead | ppm | ASTM D5185m | >50 | <1 | 0 | 2 |
| Copper | ppm | ASTM D5185m | >200 | 186 | 128 | ▲ 340 |
| Tin | ppm | ASTM D5185m | >10 | 2 | <1 | 5 |
| Vanadium | ppm | ASTM D5185m | | 0 | 0 | 0 |
| White Metal | scalar | *Visual | NONE | NONE | NONE | NONE |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE | NONE |

CONTAMINATION

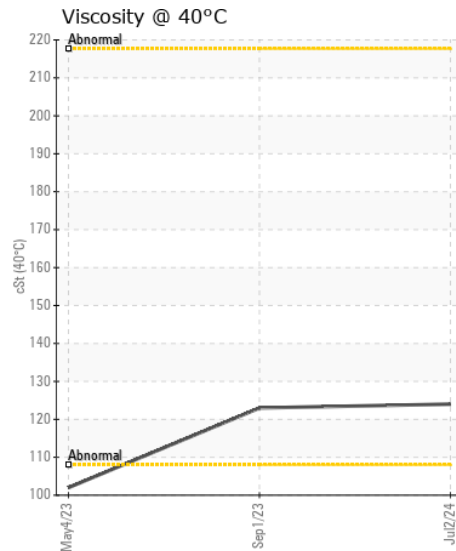
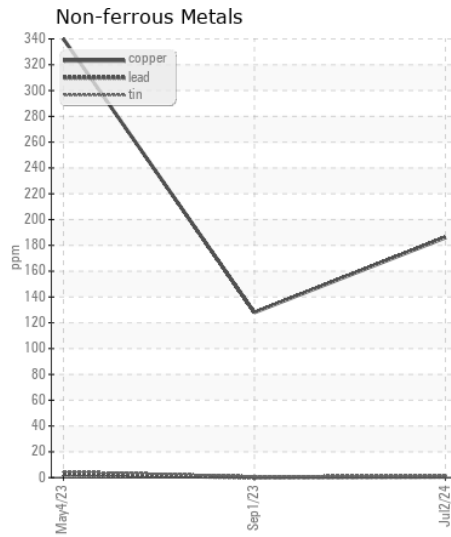
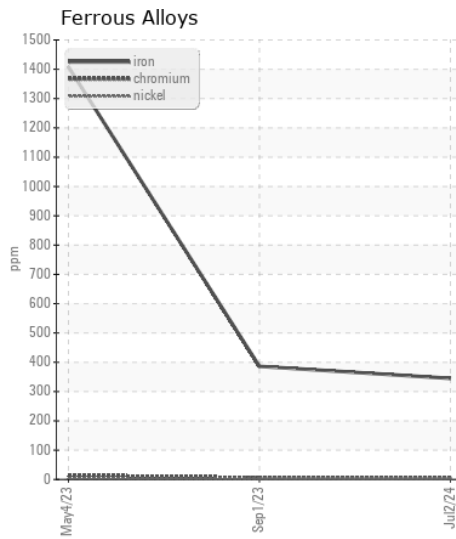
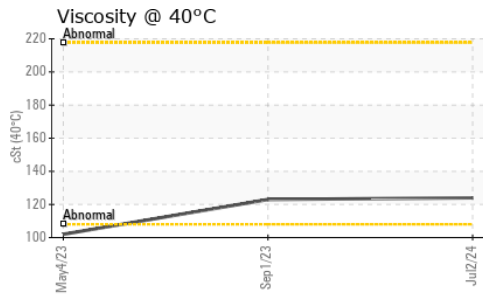
There is no indication of any contamination in the oil.

| | | | | | | |
|------------------|--------|-------------|-------|--------------|-------|-------|
| Silicon | ppm | ASTM D5185m | >50 | 8 | 7 | 12 |
| Potassium | ppm | ASTM D5185m | >20 | 2 | <1 | 1 |
| 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 | NEG |

FLUID CONDITION

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

| | | | | | | |
|-------------|-----|-------------|--|--------------|-------|-------|
| Sodium | ppm | ASTM D5185m | | 3 | 5 | 13 |
| Boron | ppm | ASTM D5185m | | 38 | 44 | 80 |
| Barium | ppm | ASTM D5185m | | 0 | 12 | 27 |
| Molybdenum | ppm | ASTM D5185m | | <1 | <1 | 1 |
| Manganese | ppm | ASTM D5185m | | 2 | 2 | 9 |
| Magnesium | ppm | ASTM D5185m | | 6 | 3 | 6 |
| Calcium | ppm | ASTM D5185m | | 50 | 8 | 8 |
| Phosphorus | ppm | ASTM D5185m | | 609 | 577 | 1172 |
| Zinc | ppm | ASTM D5185m | | 36 | 25 | 33 |
| Sulfur | ppm | ASTM D5185m | | 23375 | 19702 | 25056 |
| Visc @ 40°C | cSt | ASTM D445 | | 124 | 123 | 102 |



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513

Sample No. : WC0948392

Lab Number : 06230564

Unique Number : 11114057

Test Package : CONST

Received : 08 Jul 2024

Tested : 10 Jul 2024

Diagnosed : 10 Jul 2024 - Wes Davis

FRANKLIN IRON & METAL CORP

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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)