



OIL ANALYSIS REPORT

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

Area
K5 CONSTRUCTION CORPORATION - HODGKINS IL

Machine Id

1895

Component

Transmission

Fluid

LEAHY WOLF TRANSMASER TO4 50 (8 GAL)

RECOMMENDATION

The fluid 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 | | LW0009206 | LW0004731 | LWI-881343 |
| Sample Date | | Client Info | | 21 May 2024 | 09 May 2022 | 28 Oct 2019 |
| Machine Age | hrs | Client Info | | 2115 | 1850 | 1375 |
| Oil Age | hrs | Client Info | | 265 | 1005 | 465 |
| Filter Age | hrs | Client Info | | 265 | 1005 | --- |
| Oil Changed | | Client Info | | Changed | Changed | Not Changed |
| Filter Changed | | Client Info | | Changed | Changed | Changed |
| Sample Status | | | | ATTENTION | ATTENTION | ABNORMAL |

WEAR

All component wear rates are normal.

| | | | | | | |
|--------------|--------|-------------|------|------|------|-----|
| Iron | ppm | ASTM D5185m | >200 | 10 | 24 | 16 |
| Chromium | ppm | ASTM D5185m | >10 | 0 | <1 | 0 |
| Nickel | ppm | ASTM D5185m | | 0 | 0 | 0 |
| Titanium | ppm | ASTM D5185m | | <1 | 1 | 1 |
| Silver | ppm | ASTM D5185m | | 0 | 0 | 0 |
| Aluminum | ppm | ASTM D5185m | >50 | 1 | 2 | 3 |
| Lead | ppm | ASTM D5185m | >50 | 1 | 2 | 2 |
| Copper | ppm | ASTM D5185m | >200 | 40 | 32 | 21 |
| Tin | ppm | ASTM D5185m | >10 | <1 | 1 | 0 |
| Vanadium | ppm | ASTM D5185m | | 0 | 0 | 0 |
| White Metal | scalar | *Visual | NONE | NONE | NONE | --- |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE | --- |

CONTAMINATION

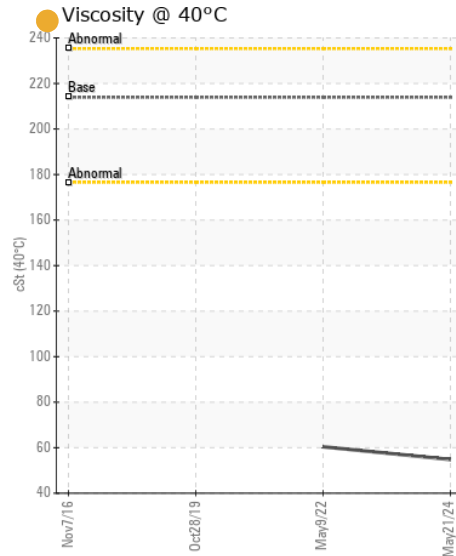
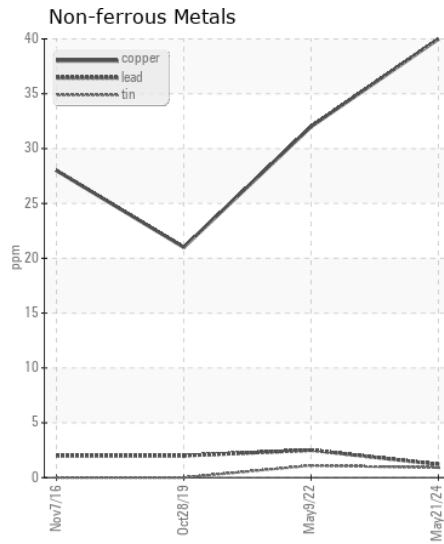
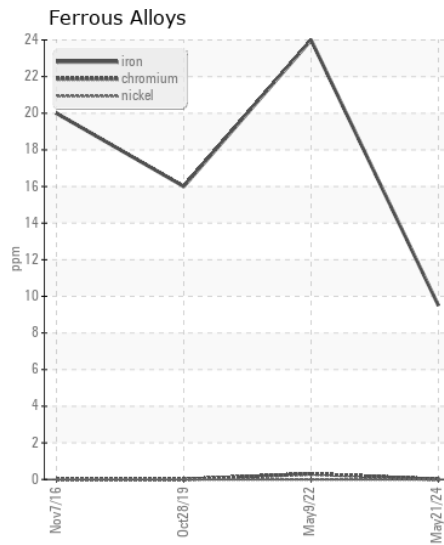
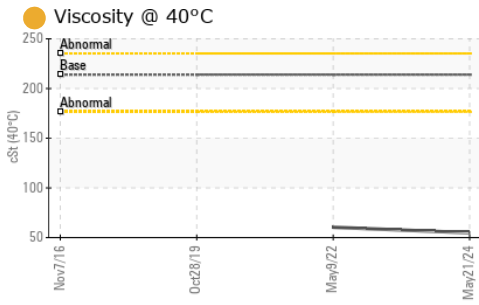
There is no indication of any contamination in the fluid.

| | | | | | | |
|------------------|--------|-------------|-------|-------|-------|-----|
| Silicon | ppm | ASTM D5185m | >50 | 5 | 6 | 5 |
| Potassium | ppm | ASTM D5185m | >20 | 2 | 3 | 0 |
| Water | | WC Method | >0.1 | NEG | 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 | >0.1 | NEG | NEG | --- |

FLUID CONDITION

The fluid viscosity is lower than normal. Confirm oil type.

| | | | | | | |
|-------------|-----|-------------|-------|------|------|------|
| Sodium | ppm | ASTM D5185m | | 4 | 3 | 4 |
| Boron | ppm | ASTM D5185m | 2 | 8 | 8 | 7 |
| Barium | ppm | ASTM D5185m | 0 | 0 | 0 | 0 |
| Molybdenum | ppm | ASTM D5185m | 0 | 3 | 2 | 3 |
| Manganese | ppm | ASTM D5185m | | <1 | <1 | 0 |
| Magnesium | ppm | ASTM D5185m | 9 | 53 | 49 | 47 |
| Calcium | ppm | ASTM D5185m | 3114 | 2872 | 3099 | 3162 |
| Phosphorus | ppm | ASTM D5185m | 1099 | 1045 | 1125 | 1046 |
| Zinc | ppm | ASTM D5185m | 1245 | 1216 | 1333 | 1207 |
| Sulfur | ppm | ASTM D5185m | 7086 | 6425 | 6364 | --- |
| Visc @ 40°C | cSt | ASTM D445 | 213.9 | 54.8 | 60.4 | --- |



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LW0009206
Lab Number : 06193169
Unique Number : 11049921
Test Package : FLEET

Received : 28 May 2024
Tested : 30 May 2024
Diagnosed : 30 May 2024 - Sean Felton

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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)