



OIL ANALYSIS REPORT

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

Area

[25101]

Machine Id

20-95

Component

Transmission (Manual)

Fluid

KENDALL SHP SYNTHETIC TRANSOIL 50 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------|-----|-------------|-----------|-------------|-------------|-------------|
| Sample Number | | Client Info | | WC0941325 | WC0876526 | WC0744974 |
| Sample Date | | Client Info | | 18 Jun 2024 | 11 Dec 2023 | 24 Aug 2023 |
| Machine Age | kms | Client Info | | 103660 | 94254 | 84324 |
| Oil Age | kms | Client Info | | 0 | 0 | 0 |
| Filter Age | kms | Client Info | | 0 | 0 | 0 |
| Oil Changed | | Client Info | | Not Changd | Not Changd | Not Changd |
| Filter Changed | | Client Info | | N/A | Not Changd | Not Changd |
| Sample Status | | | | NORMAL | NORMAL | NORMAL |

WEAR

All component wear rates are normal.

| | | | | | | |
|--------------|--------|---------------|------|-------|------|------|
| Iron | ppm | ASTM D5185(m) | >200 | 43 | 95 | 84 |
| Chromium | ppm | ASTM D5185(m) | >5 | <1 | <1 | <1 |
| Nickel | ppm | ASTM D5185(m) | >5 | <1 | <1 | <1 |
| Titanium | ppm | ASTM D5185(m) | | 0 | 0 | <1 |
| Silver | ppm | ASTM D5185(m) | >7 | 0 | <1 | 0 |
| Aluminum | ppm | ASTM D5185(m) | >25 | 2 | 3 | 4 |
| Lead | ppm | ASTM D5185(m) | >45 | 0 | <1 | <1 |
| Copper | ppm | ASTM D5185(m) | >225 | 2 | 3 | 3 |
| Tin | ppm | ASTM D5185(m) | >10 | 0 | 0 | 0 |
| Vanadium | ppm | ASTM D5185(m) | | 0 | 0 | 0 |
| White Metal | scalar | Visual* | NONE | VLITE | NONE | NONE |
| Yellow Metal | scalar | Visual* | NONE | NONE | NONE | NONE |

CONTAMINATION

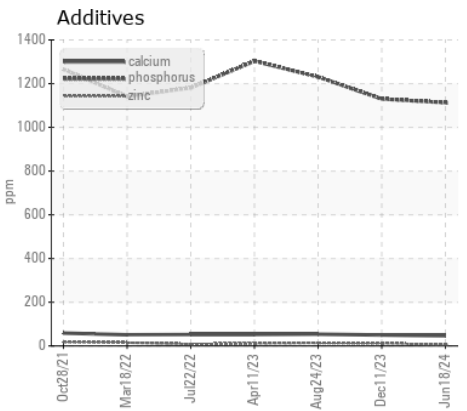
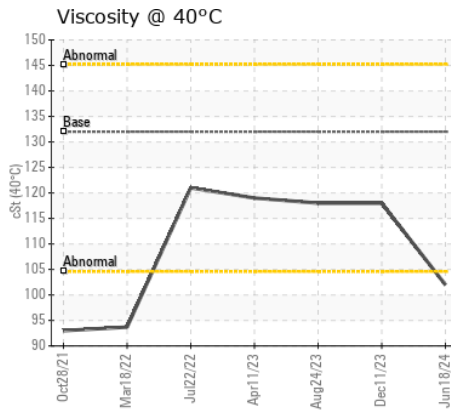
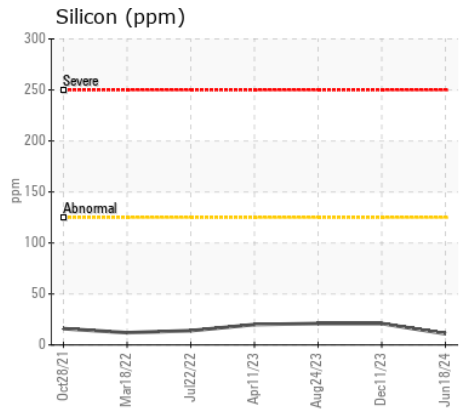
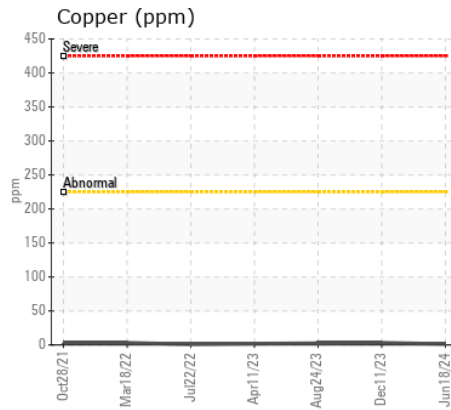
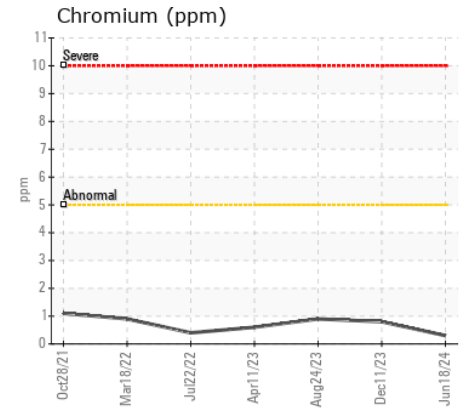
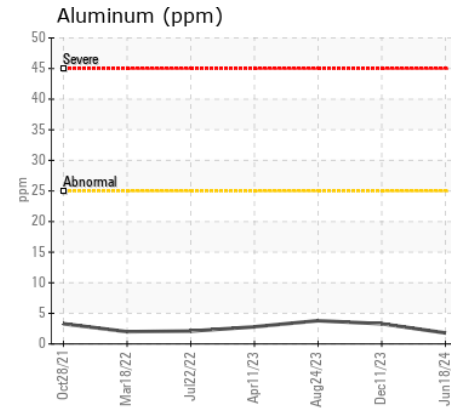
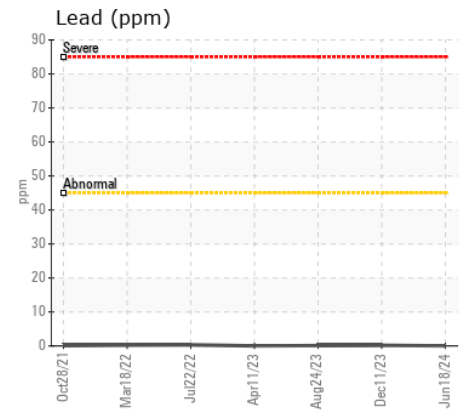
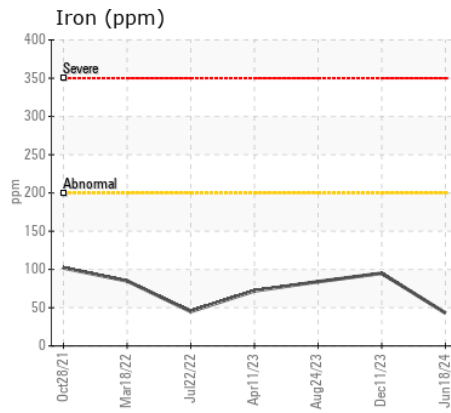
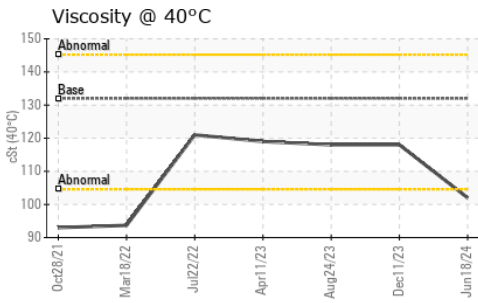
There is no indication of any contamination in the fluid.

| | | | | | | |
|------------------|--------|---------------|-------|-------|-------|-------|
| Silicon | ppm | ASTM D5185(m) | >125 | 11 | 21 | 21 |
| Potassium | ppm | ASTM D5185(m) | >20 | 1 | 2 | 2 |
| Water | | WC Method | >0.1 | NEG | NEG | NEG |
| Silt | scalar | Visual* | NONE | NONE | NONE | VLITE |
| Debris | scalar | Visual* | NONE | VLITE | NONE | VLITE |
| 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

Viscosity of sample indicates oil is within SAE 75W90 range, advise investigate. The condition of the fluid is acceptable for the time in service.

| | | | | | | |
|-------------|-----|---------------|-----|------|------|------|
| Sodium | ppm | ASTM D5185(m) | | 3 | 9 | 6 |
| Boron | ppm | ASTM D5185(m) | | 257 | 253 | 259 |
| Barium | ppm | ASTM D5185(m) | | <1 | 1 | <1 |
| Molybdenum | ppm | ASTM D5185(m) | | 0 | 0 | <1 |
| Manganese | ppm | ASTM D5185(m) | | 5 | 4 | 4 |
| Magnesium | ppm | ASTM D5185(m) | | 1 | 3 | 4 |
| Calcium | ppm | ASTM D5185(m) | | 46 | 50 | 54 |
| Phosphorus | ppm | ASTM D5185(m) | | 1113 | 1130 | 1231 |
| Zinc | ppm | ASTM D5185(m) | | 6 | 12 | 14 |
| Sulfur | ppm | ASTM D5185(m) | | 437 | 386 | 403 |
| Visc @ 40°C | cSt | ASTM D7279(m) | 132 | 102 | 118 | 118 |



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0941325 **Received** : 20 Jun 2024
Lab Number : 02643249 **Tested** : 20 Jun 2024
Unique Number : 5800788 **Diagnosed** : 20 Jun 2024 - Kevin Marson
Test Package : MOB 1

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To discuss this sample report, contact Customer Service at 1-800-268-2131.
 Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab.
 Validity of results and interpretation are based on the sample and information as supplied.