



OIL ANALYSIS REPORT

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

Area
{UNASSIGNED}
Machine Id
YORK York #6 (S/N SAHM-467620)
Component
Centrifugal Compressor
Fluid
YORK TYPE K (--- GAL)

RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor. (Customer Sample Comment: Annual test)

WEAR

All component wear rates are normal.

CONTAMINATION

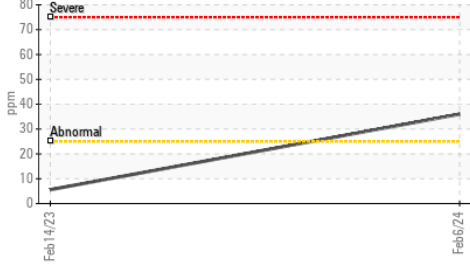
Elemental level of silicon (Si) above normal indicating ingress of seal material.

FLUID CONDITION

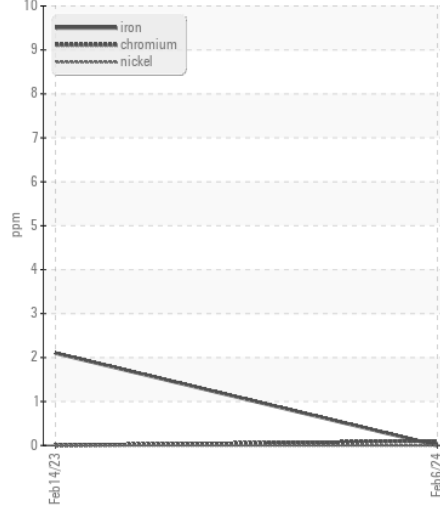
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|------------------|----------|-------------|-----------|--------------------|-------------|----------|
| Sample Number | | Client Info | | WC0758318 | WC0426156 | --- |
| Sample Date | | Client Info | | 06 Feb 2024 | 14 Feb 2023 | --- |
| Machine Age | hrs | Client Info | | 10468 | 6739 | --- |
| Oil Age | hrs | Client Info | | 10468 | 0 | --- |
| Filter Age | hrs | Client Info | | 0 | 0 | --- |
| Oil Changed | | Client Info | | N/A | Not Changd | --- |
| Filter Changed | | Client Info | | N/A | Not Changed | --- |
| Sample Status | | | | ABNORMAL | NORMAL | --- |
| Iron | ppm | ASTM D5185m | >50 | 0 | 2 | --- |
| Chromium | ppm | ASTM D5185m | >10 | <1 | 0 | --- |
| Nickel | ppm | ASTM D5185m | | 0 | 0 | --- |
| Titanium | ppm | ASTM D5185m | | 0 | 0 | --- |
| Silver | ppm | ASTM D5185m | | 0 | 0 | --- |
| Aluminum | ppm | ASTM D5185m | >25 | 0 | 0 | --- |
| Lead | ppm | ASTM D5185m | >25 | 0 | 0 | --- |
| Copper | ppm | ASTM D5185m | >50 | 0 | 0 | --- |
| Tin | ppm | ASTM D5185m | >15 | 0 | 0 | --- |
| Vanadium | ppm | ASTM D5185m | | 0 | 0 | --- |
| White Metal | scalar | *Visual | NONE | NONE | NONE | --- |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE | --- |
| Silicon | ppm | ASTM D5185m | >25 | ▲ 36 | 6 | --- |
| Potassium | ppm | ASTM D5185m | >20 | 0 | 1 | --- |
| Water | % | ASTM D6304 | >0.03 | 0.006 | 0.014 | --- |
| ppm Water | ppm | ASTM D6304 | >300 | 63 | 142.7 | --- |
| 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 | >0.03 | NEG | NEG | --- |
| Sodium | ppm | ASTM D5185m | | 0 | 0 | --- |
| Boron | ppm | ASTM D5185m | 0 | 0 | 0 | --- |
| Barium | ppm | ASTM D5185m | 0 | 1 | 4 | --- |
| Molybdenum | ppm | ASTM D5185m | 0 | 0 | 0 | --- |
| Manganese | ppm | ASTM D5185m | 0 | <1 | 0 | --- |
| Magnesium | ppm | ASTM D5185m | 0 | <1 | 0 | --- |
| Calcium | ppm | ASTM D5185m | 0 | 1 | 0 | --- |
| Phosphorus | ppm | ASTM D5185m | 5 | <1 | 10 | --- |
| Zinc | ppm | ASTM D5185m | 0 | 0 | 0 | --- |
| Sulfur | ppm | ASTM D5185m | 10 | 0 | 5 | --- |
| Acid Number (AN) | mg KOH/g | ASTM D8045 | 0.03 | 0.014 | 0.03 | --- |
| Visc @ 40°C | cSt | ASTM D445 | 32.0 | 31.2 | 29.9 | --- |

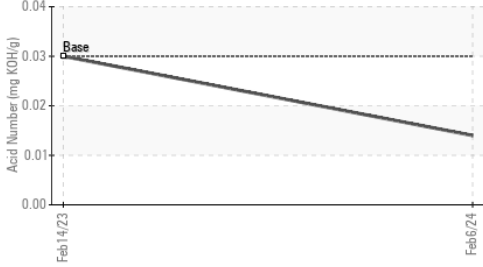
▲ Silicon (ppm)



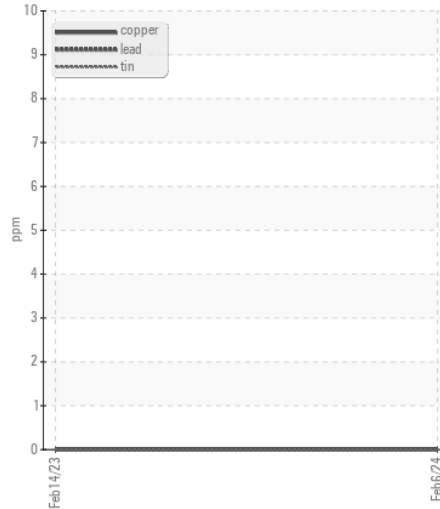
Ferrous Alloys



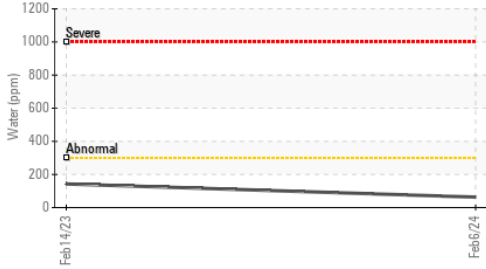
Acid Number



Non-ferrous Metals



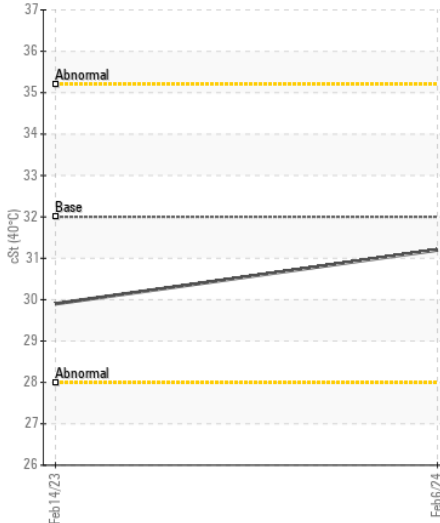
Water (KF)



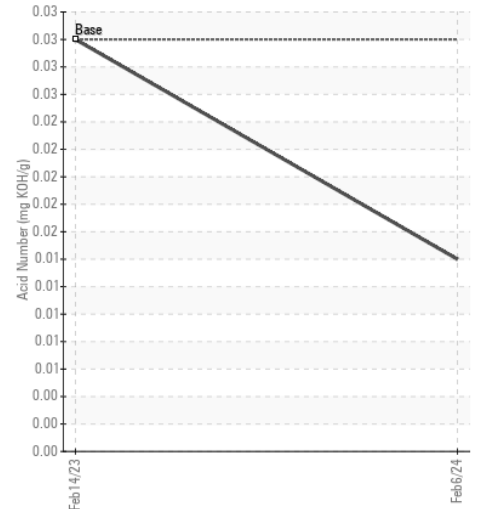
Viscosity @ 40°C



Viscosity @ 40°C



Acid Number



Certificate L2367

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

Sample No. : WC0758318

Lab Number : 06101682

Unique Number : 10899912

Test Package : PLANT

Received : 27 Feb 2024

Tested : 29 Feb 2024

Diagnosed : 29 Feb 2024 - Jonathan Hester

DAIKIN APPLIED - AUBURN HILLS

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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)