



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

Area
CIBUS 46 [10429]
Machine Id
KAESER AC5460B - CARGILL CORN (S/N 1792)
Component
Compressor

RECOMMENDATION

Resample at the next service interval to monitor.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------|-----|-------------|-----------|--------------------|-------------|-------------|
| Sample Number | | Client Info | | UDI06227599 | WC06108809 | UCH05984883 |
| Sample Date | | Client Info | | 27 Jun 2024 | 20 Feb 2024 | 17 Oct 2023 |
| Machine Age | hrs | Client Info | | 60447 | 58211 | 56317 |
| Oil Age | hrs | Client Info | | 3822 | 1586 | 3325 |
| Filter Age | hrs | Client Info | | 3822 | 1586 | 3325 |
| Oil Changed | | Client Info | | Not Changd | Not Changd | Not Changd |
| Filter Changed | | Client Info | | Not Changd | Not Changd | Not Changd |
| Sample Status | | | | NORMAL | NORMAL | NORMAL |

WEAR

All component wear rates are normal.

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

CONTAMINATION

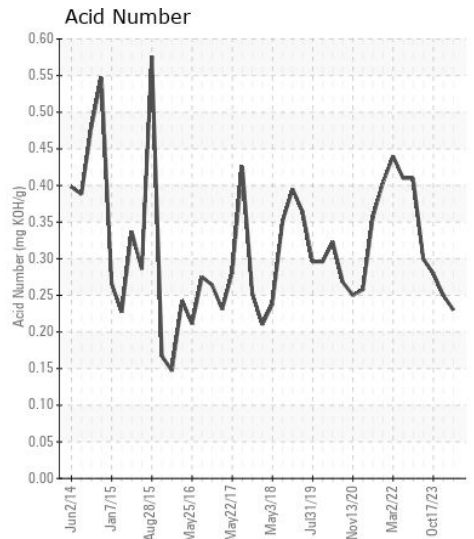
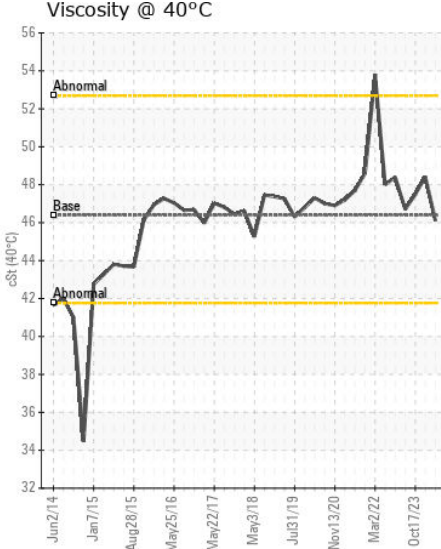
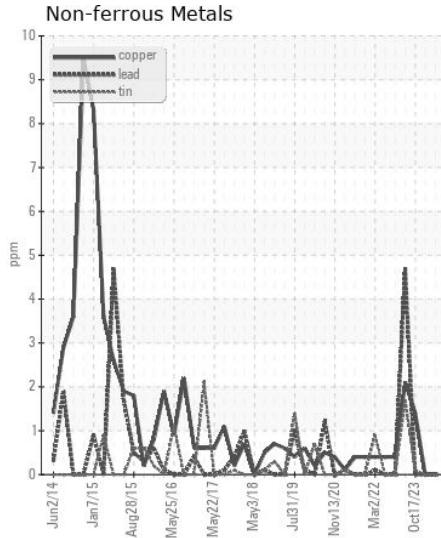
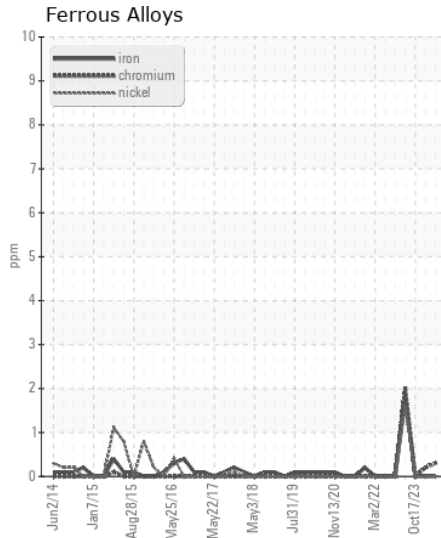
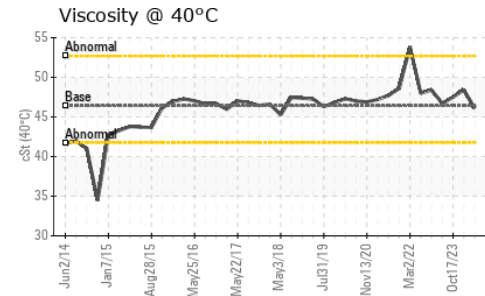
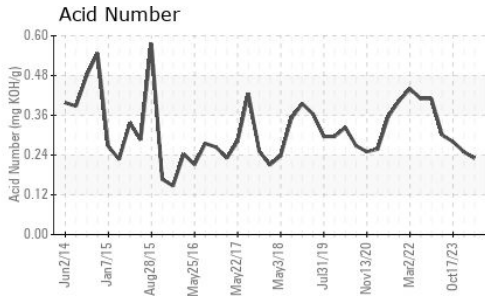
There is no indication of any contamination in the oil.

| | | | | | | |
|------------------|--------|-------------|-------|--------------|-------|-------|
| Silicon | ppm | ASTM D5185m | >25 | 0 | 0 | 0 |
| Potassium | ppm | ASTM D5185m | >20 | <1 | <1 | 0 |
| Water | | WC Method | >0.05 | 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 | >0.05 | NEG | NEG | NEG |

FLUID CONDITION

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

| | | | | | | |
|------------------|----------|-------------|------|--------------|-------|------|
| Sodium | ppm | ASTM D5185m | | 0 | 0 | 2 |
| Boron | ppm | ASTM D5185m | | 0 | 0 | 0 |
| Barium | ppm | ASTM D5185m | | 0 | 0 | 0 |
| Molybdenum | ppm | ASTM D5185m | | 0 | 0 | 0 |
| Manganese | ppm | ASTM D5185m | | 0 | 0 | <1 |
| Magnesium | ppm | ASTM D5185m | | <1 | <1 | 0 |
| Calcium | ppm | ASTM D5185m | | 0 | 0 | 2 |
| Phosphorus | ppm | ASTM D5185m | | 405 | 361 | 329 |
| Zinc | ppm | ASTM D5185m | | 7 | 8 | 0 |
| Sulfur | ppm | ASTM D5185m | | 414 | 398 | 421 |
| Acid Number (AN) | mg KOH/g | ASTM D8045 | | 0.23 | 0.25 | 0.28 |
| Visc @ 40°C | cSt | ASTM D445 | 46.4 | 46.1 | 48.41 | 47.5 |



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : UDI06227599
Lab Number : 06227599
Unique Number : 11111092
Test Package : IND 2
Received : 03 Jul 2024
Tested : 05 Jul 2024
Diagnosed : 05 Jul 2024 - Wes Davis

DELTA INDUSTRIES - CEDAR RAPIDS
 6540 4TH ST SW UNIT A
 CEDAR RAPIDS, IA
 US 52404
 Contact: MICHAEL FERRIS
 wearcheck@deltaind.net
 T: (319)862-2500
 F: (319)862-2501

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)