



OIL ANALYSIS REPORT

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

Area
M-460 [8147]
 Machine Id
KAESER 6357970 - SUPERIOR GRAPHITE CO (S/N 1078)
 Component
Compressor

RECOMMENDATION

Resample at the next service interval to monitor.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------|-----|-------------|-----------|---------------|----------|----------|
| Sample Number | | Client Info | | UCH06076990 | --- | --- |
| Sample Date | | Client Info | | 10 Jan 2024 | --- | --- |
| Machine Age | hrs | Client Info | | 5946 | --- | --- |
| Oil Age | hrs | Client Info | | 0 | --- | --- |
| Filter Age | hrs | Client Info | | 0 | --- | --- |
| Oil Changed | | Client Info | | Changed | --- | --- |
| Filter Changed | | Client Info | | Changed | --- | --- |
| Sample Status | | | | NORMAL | --- | --- |

WEAR

All component wear rates are normal.

| | | | | | | |
|--------------|--------|-------------|------|------|-----|-----|
| Iron | ppm | ASTM D5185m | >50 | 0 | --- | --- |
| Chromium | ppm | ASTM D5185m | >10 | 0 | --- | --- |
| Nickel | ppm | ASTM D5185m | >3 | 0 | --- | --- |
| Titanium | ppm | ASTM D5185m | >3 | 0 | --- | --- |
| Silver | ppm | ASTM D5185m | >2 | 0 | --- | --- |
| Aluminum | ppm | ASTM D5185m | >10 | <1 | --- | --- |
| Lead | ppm | ASTM D5185m | >10 | 0 | --- | --- |
| Copper | ppm | ASTM D5185m | >50 | 7 | --- | --- |
| Tin | ppm | ASTM D5185m | >10 | <1 | --- | --- |
| Vanadium | ppm | ASTM D5185m | | 0 | --- | --- |
| White Metal | scalar | *Visual | NONE | NONE | --- | --- |
| Yellow Metal | scalar | *Visual | NONE | NONE | --- | --- |

CONTAMINATION

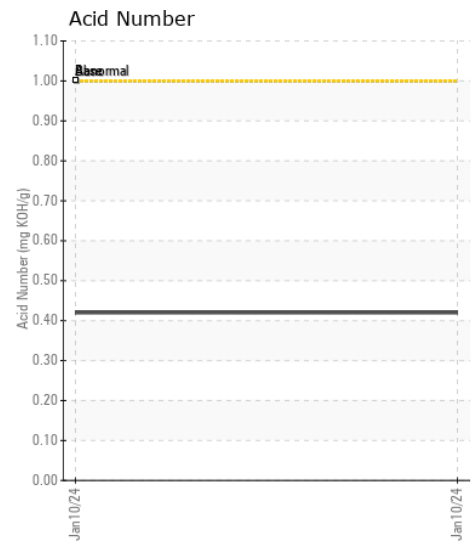
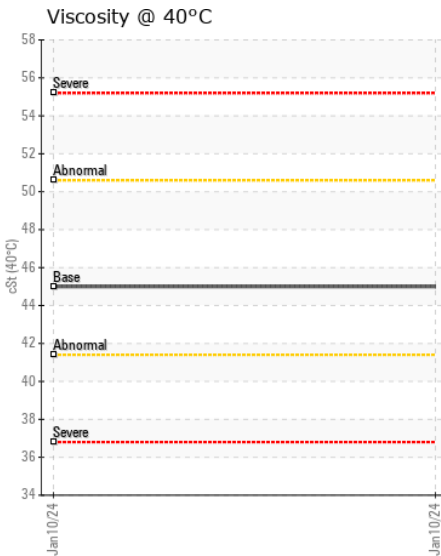
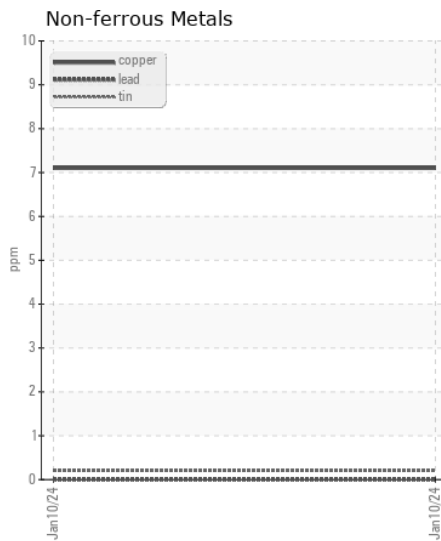
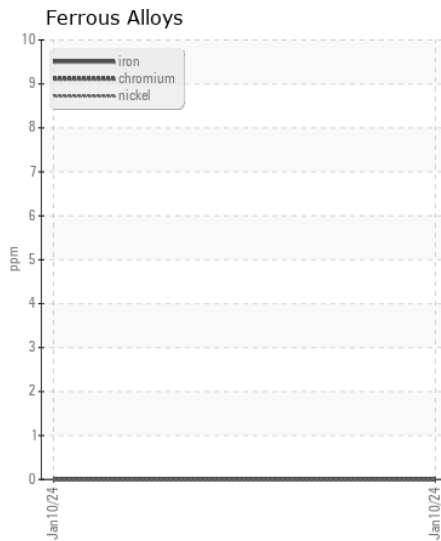
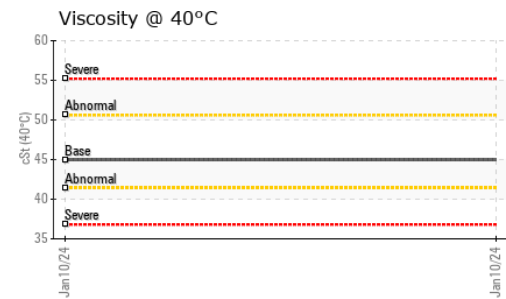
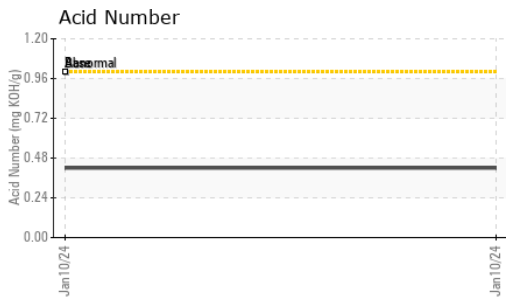
There is no indication of any contamination in the oil.

| | | | | | | |
|------------------|--------|-------------|-------|-------|-----|-----|
| Silicon | ppm | ASTM D5185m | >25 | <1 | --- | --- |
| Potassium | ppm | ASTM D5185m | >20 | 2 | --- | --- |
| Water | | WC Method | >0.05 | NEG | --- | --- |
| Silt | scalar | *Visual | NONE | NONE | --- | --- |
| Debris | scalar | *Visual | NONE | NONE | --- | --- |
| Sand/Dirt | scalar | *Visual | NONE | NONE | --- | --- |
| Appearance | scalar | *Visual | NORML | NORML | --- | --- |
| Odor | scalar | *Visual | NORML | NORML | --- | --- |
| Emulsified Water | scalar | *Visual | >0.05 | 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 | | 9 | --- | --- |
| Boron | ppm | ASTM D5185m | 0 | 0 | --- | --- |
| Barium | ppm | ASTM D5185m | 90 | <1 | --- | --- |
| Molybdenum | ppm | ASTM D5185m | 0 | 0 | --- | --- |
| Manganese | ppm | ASTM D5185m | | <1 | --- | --- |
| Magnesium | ppm | ASTM D5185m | 100 | 26 | --- | --- |
| Calcium | ppm | ASTM D5185m | 0 | 2 | --- | --- |
| Phosphorus | ppm | ASTM D5185m | 0 | 0 | --- | --- |
| Zinc | ppm | ASTM D5185m | 0 | 41 | --- | --- |
| Sulfur | ppm | ASTM D5185m | 23500 | 18313 | --- | --- |
| Acid Number (AN) | mg KOH/g | ASTM D8045 | 1.0 | 0.42 | --- | --- |
| Visc @ 40°C | cSt | ASTM D445 | 45 | 45.0 | --- | --- |



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : UCH06076990 **Received** : 01 Feb 2024
Lab Number : 06076990 **Diagnosed** : 02 Feb 2024
Unique Number : 10859081 **Diagnostician** : Don Baldrige
Test Package : IND 2

DELTA INDUSTRIES - DOWNERS GROVE
 2201 CURTISS STREET
 DOWNERS GROVE, IL
 US 60515
 Contact: MICHAEL FERRIS

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)

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