

OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Area
VISION CS300
Machine Id
HYDROVANE D159138 - NOTT CO
Component
Compressor

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

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

SAMPLE INFORMATION method limit/base current history1 history2

| | | | | |
|---------------|-------------|--------------------|--------------|-----|
| Sample Number | Client Info | UCS06159221 | --- | --- |
| Sample Date | Client Info | 17 Apr 2024 | --- | --- |
| Machine Age | hrs | Client Info | 33263 | --- |
| Oil Age | hrs | Client Info | 0 | --- |
| Oil Changed | Client Info | Changed | --- | --- |
| Sample Status | | NORMAL | --- | --- |

CONTAMINATION method limit/base current history1 history2

| | | | | | |
|-------|-----------|------|------------|-----|-----|
| Water | WC Method | >0.1 | NEG | --- | --- |
|-------|-----------|------|------------|-----|-----|

WEAR METALS method limit/base current history1 history2

| | | | | | | |
|----------|-----|-------------|-----|--------------|-----|-----|
| Iron | ppm | ASTM D5185m | >50 | 5 | --- | --- |
| Chromium | ppm | ASTM D5185m | >10 | <1 | --- | --- |
| Nickel | ppm | ASTM D5185m | | 1 | --- | --- |
| Titanium | ppm | ASTM D5185m | | <1 | --- | --- |
| Silver | ppm | ASTM D5185m | | 0 | --- | --- |
| Aluminum | ppm | ASTM D5185m | >25 | 2 | --- | --- |
| Lead | ppm | ASTM D5185m | >25 | <1 | --- | --- |
| Copper | ppm | ASTM D5185m | >50 | 11 | --- | --- |
| Tin | ppm | ASTM D5185m | >15 | <1 | --- | --- |
| Vanadium | ppm | ASTM D5185m | | <1 | --- | --- |
| Cadmium | ppm | ASTM D5185m | | <1 | --- | --- |

ADDITIVES method limit/base current history1 history2

| | | | | | | |
|------------|-----|-------------|--|--------------|-----|-----|
| Boron | ppm | ASTM D5185m | | 0 | --- | --- |
| Barium | ppm | ASTM D5185m | | 0 | --- | --- |
| Molybdenum | ppm | ASTM D5185m | | <1 | --- | --- |
| Manganese | ppm | ASTM D5185m | | <1 | --- | --- |
| Magnesium | ppm | ASTM D5185m | | 1 | --- | --- |
| Calcium | ppm | ASTM D5185m | | 8 | --- | --- |
| Phosphorus | ppm | ASTM D5185m | | 7 | --- | --- |
| Zinc | ppm | ASTM D5185m | | 408 | --- | --- |
| Sulfur | ppm | ASTM D5185m | | 0 | --- | --- |

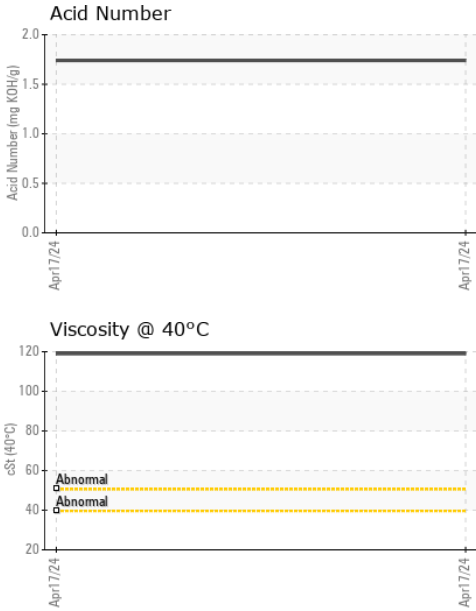
CONTAMINANTS method limit/base current history1 history2

| | | | | | | |
|-----------|-----|-------------|-----|--------------|-----|-----|
| Silicon | ppm | ASTM D5185m | >25 | <1 | --- | --- |
| Sodium | ppm | ASTM D5185m | | 22 | --- | --- |
| Potassium | ppm | ASTM D5185m | >20 | 3 | --- | --- |

FLUID DEGRADATION method limit/base current history1 history2

| | | | | | | |
|------------------|----------|------------|--|-------------|-----|-----|
| Acid Number (AN) | mg KOH/g | ASTM D8045 | | 1.74 | --- | --- |
|------------------|----------|------------|--|-------------|-----|-----|

OIL ANALYSIS REPORT



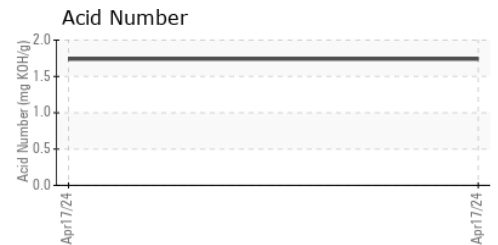
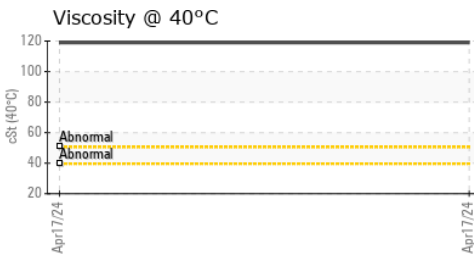
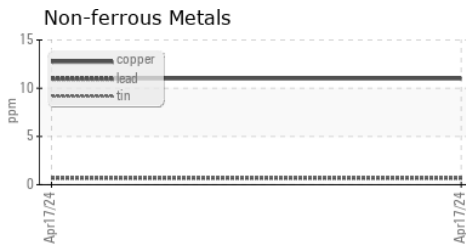
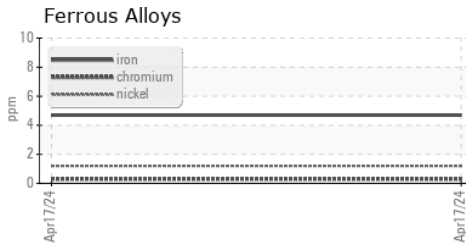
| VISUAL | method | limit/base | current | history1 | history2 | |
|------------------|--------|------------|---------|----------|----------|-----|
| White Metal | scalar | *Visual | NONE | NONE | --- | --- |
| Yellow Metal | scalar | *Visual | NONE | NONE | --- | --- |
| Precipitate | scalar | *Visual | NONE | NONE | --- | --- |
| 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 | >0.1 | NEG | --- | --- |
| Free Water | scalar | *Visual | | NEG | --- | --- |

| FLUID PROPERTIES | method | limit/base | current | history1 | history2 |
|------------------|--------|------------|---------|----------|----------|
| Visc @ 40°C | cSt | ASTM D445 | 119 | --- | --- |

| SAMPLE IMAGES | method | limit/base | current | history1 | history2 |
|---------------|--------|------------|---------|----------|----------|
|---------------|--------|------------|---------|----------|----------|

| | | | | | |
|--------|--|--|--|----------|----------|
| Color | | | | no image | no image |
| Bottom | | | | no image | no image |

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : UCS06159221 **Received** : 24 Apr 2024
Lab Number : 06159221 **Tested** : 25 Apr 2024
Unique Number : 10994644 **Diagnosed** : 26 Apr 2024 - Jonathan Hester
Test Package : IND 2

JEMCO-MAXAIR

WEST FARGO, ND
US 58078

Contact: DALE K
dalek@jemco-maxair.com

T: (701)281-0362

F: x:

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)