

OIL ANALYSIS REPORT

Area CENTRIFUGES Machine Id Q-603 - CENTRIFUGE 3

Circulating System Fluid MOBIL SHC 626 (15 GAL)

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Wear

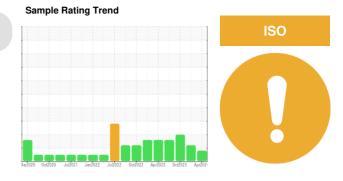
All component wear rates are normal.

Contamination

There is a moderate amount of silt (particulates < 14 microns in size) present in the oil.

Fluid Condition

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



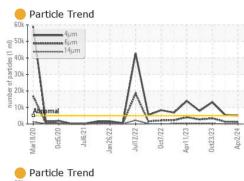
| SAMPLE INFORM | ATION | method | limit/base | current | history1 | history2 |
|------------------------------------|----------|--------------|------------|-------------------|-------------------------|------------------|
| Sample Number | | Client Info | | WC0919948 | WC0896662 | WC0871612 |
| Sample Date | | Client Info | | 02 Apr 2024 | 12 Jan 2024 | 23 Oct 2023 |
| Machine Age | mths | Client Info | | 240 | 240 | 240 |
| Oil Age | mths | Client Info | | 240 | 240 | 0 |
| Oil Changed | intilo | Client Info | | N/A | N/A | N/A |
| Sample Status | | | | ATTENTION | ATTENTION | ABNORMAL |
| CONTAMINATION | | method | limit/base | current | history1 | history2 |
| Water | | WC Method | Innibodoo | NEG | NEG | NEG |
| WEAR METALS | | method | limit/base | current | history1 | history2 |
| Iron | ppm | ASTM D5185m | | 3 | 2 | 0 |
| Chromium | ppm | ASTM D5185m | | <1 | 0 | 0 |
| Nickel | ppm | ASTM D5185m | | 0 | 0 | <1 |
| Titanium | ppm | ASTM D5185m | | <1 | 0 | 0 |
| Silver | ppm | ASTM D5185m | | 0 | 0 | 0 |
| Aluminum | ppm | ASTM D5185m | | 2 | 1 | 0 |
| Lead | ppm | ASTM D5185m | | 0 | 0 | 0 |
| Copper | ppm | ASTM D5185m | | <1 | <1 | 0 |
| Tin | ppm | ASTM D5185m | | <1 | 0 | 0 |
| Vanadium | ppm | ASTM D5185m | | 0 | 0 | 0 |
| Cadmium | ppm | ASTM D5185m | | 0 | 0 | 0 |
| ADDITIVES | | method | limit/base | current | history1 | history2 |
| 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 | 0 | 4 |
| Calcium | ppm | ASTM D5185m | | 3 | <1 | 1 |
| Phosphorus | ppm | ASTM D5185m | | 414 | 493 | 501 |
| Zinc | ppm | ASTM D5185m | | 2 | 0 | 0 |
| Sulfur | ppm | ASTM D5185m | | 0 | 0 | 14 |
| CONTAMINANTS | | method | limit/base | current | history1 | history2 |
| Silicon | ppm | ASTM D5185m | | <1 | 6 | <1 |
| Sodium | ppm | ASTM D5185m | | 0 | 0 | 0 |
| Potassium | ppm | ASTM D5185m | >20 | 1 | <1 | 0 |
| FLUID CLEANLIN | ESS | method | limit/base | current | history1 | history2 |
| Particles >4µm | | ASTM D7647 | >5000 | 6 5072 | 5508 | 13237 |
| Particles >6µm | | ASTM D7647 | >1300 | 1272 | 1349 | ▲ 3423 |
| Particles >14µm | | ASTM D7647 | >160 | 85 | 85 | 2 18 |
| Particles >21µm | | ASTM D7647 | >40 | 14 | 24 | <u> </u> |
| Particles >38µm | | ASTM D7647 | >10 | 0 | 3 | 1 |
| Particles >71µm | | ASTM D7647 | >3 | 0 | 0 | 0 |
| Oil Cleanliness | | ISO 4406 (c) | >19/17/14 | e 20/17/14 | 20/18/14 | 2 1/19/15 |
| FLUID DEGRADA | TION | method | limit/base | current | history1 | history2 |
| Acid Number (AN) :00:08) Rev: 1 | mg KOH/g | ASTM D8045 | | 0.53 | 0.52 ubmitted By: GA | 0.47 |

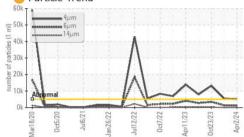
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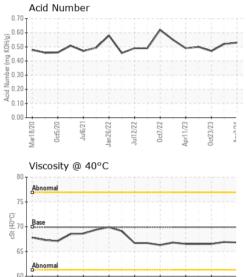
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Jan 26/22

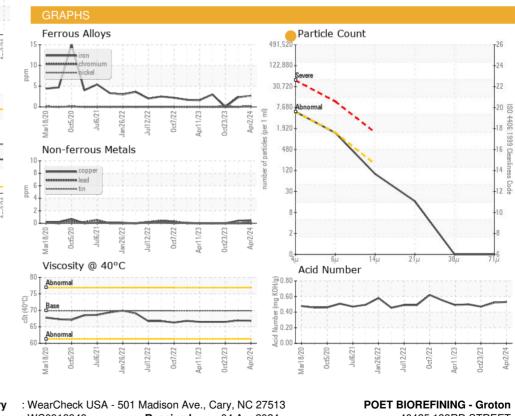
C/SIII

Mar18/20

0ct7/22

Apr11/23

| VISUAL | | method | limit/base | current | history1 | history2 |
|------------------|--------|-----------|------------|---------|----------|----------|
| White Metal | scalar | *Visual | NONE | NONE | NONE | NONE |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE | NONE |
| Precipitate | scalar | *Visual | NONE | NONE | NONE | NONE |
| 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 | | NEG | NEG | NEG |
| Free Water | scalar | *Visual | | NEG | NEG | NEG |
| FLUID PROPERT | IES | method | limit/base | current | history1 | history2 |
| Visc @ 40°C | cSt | ASTM D445 | 69.9 | 66.8 | 66.9 | 66.5 |
| SAMPLE IMAGES | 6 | method | limit/base | current | history1 | history2 |
| Color | | | | | | |
| Bottom | | | | | | |



Laboratory Sample No. : WC0919948 Received : 04 Apr 2024 40425 133RD STREET Lab Number : 06138512 Tested : 05 Apr 2024 GROTON, SD Unique Number : 10963320 Diagnosed : 06 Apr 2024 - Don Baldridge US 57445-6400 Test Package : IND 2 (Additional Tests: PrtCount) Contact: GAVIN KRUEGER Certificate 12367 To discuss this sample report, contact Customer Service at 1-800-237-1369. Gavin.Krueger@POET.COM T: 6(05)846-6863 * - Denotes test methods that are outside of the ISO 17025 scope of accreditation. F: (605)397-2754

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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Submitted By: GAVIN KRUEGER

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