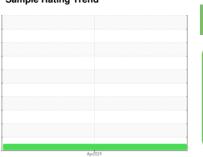


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id 040824S-16 Component Fluid

Fluid {not provided} (--- QTS)

DIAGNOSIS

Recommendation

This is a baseline read-out on the submitted sample.

| SAMPLE INFORM | 1ATION | method | limit/base | current | history1 | history2 |
|---|---|--|---|---|--------------------------------------|----------------------|
| Sample Number | | Client Info | | WC06147902 | | |
| Sample Date | | Client Info | | 08 Apr 2024 | | |
| Machine Age | hrs | Client Info | | 0 | | |
| Oil Age | hrs | Client Info | | 0 | | |
| Oil Changed | | Client Info | | N/A | | |
| Sample Status | | | | NORMAL | | |
| CONTAMINATION | J | method | limit/base | current | history1 | history2 |
| Water | V | WC Method | mmy base | NEG | | |
| WEAR METALS | | method | limit/base | current | history1 | history2 |
| Iron | ppm | ASTM D5185m | | 3 | | |
| Chromium | ppm | ASTM D5185m | | 0 | | |
| Nickel | ppm | ASTM D5185m | | 0 | | |
| Titanium | ppm | ASTM D5185m | | 0 | | |
| Silver | ppm | ASTM D5185m | | 0 | | |
| Aluminum | ppm | ASTM D5185m | | 0 | | |
| Lead | ppm | ASTM D5185m | | 0 | | |
| Copper | ppm | ASTM D5185m | | 0 | | |
| Tin | ppm | ASTM D5185m | | 0 | | |
| Vanadium | ppm | ASTM D5185m | | 0 | | |
| Cadmium | ppm | ASTM D5185m | | 0 | | |
| ADDITIVES | | method | limit/base | current | history1 | history2 |
| Boron | ppm | ASTM D5185m | | 0 | | |
| Barium | ppm | ASTM D5185m | | 3 | | |
| Madada da sa | | ASTM D5185m | | 0 | | |
| iviolybdenum | ppm | HOURD DO HOUR | | | | |
| Molybdenum Manganese | ppm | ASTM D5185m | | 0 | | |
| Manganese | ppm | | | - | | |
| | ppm ppm | ASTM D5185m | | 0 | | |
| Manganese Magnesium | ppm | ASTM D5185m ASTM D5185m | | 0 | | |
| Manganese Magnesium Calcium | ppm ppm ppm | ASTM D5185m ASTM D5185m ASTM D5185m | | 0 0 | | |
| Manganese Magnesium Calcium Phosphorus | ppm ppm | ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m | | 0 0 0 <1 | | |
| Manganese Magnesium Calcium Phosphorus Zinc | ppm ppm ppm ppm ppm | ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m | limit/base | 0 0 0 0 <1 4 | | |
| Manganese Magnesium Calcium Phosphorus Zinc Sulfur | ppm ppm ppm ppm ppm | ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m | limit/base | 0 0 0 0 <1 4 101 | | |
| Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS | ppm ppm ppm ppm ppm ppm | ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m | limit/base | 0 0 0 0 <1 4 101 | | |
| Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon | ppm ppm ppm ppm ppm | ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D5185m | limit/base | 0 0 0 0 <1 4 101 current | | |
| Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium | ppm ppm ppm ppm ppm ppm | ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m | | 0 0 0 0 <1 4 101 current 5 | | |
| Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium | ppm ppm ppm ppm ppm ppm | ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m | >20 | 0 0 0 0 <1 4 101 current 5 0 | history1 | history2 |
| Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL | ppm ppm ppm ppm ppm ppm ppm | ASTM D5185m | >20 limit/base | 0 0 0 0 <1 4 101 current 5 0 0 | history1 history1 | history2 history2 |
| Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal | ppm ppm ppm ppm ppm ppm ppm ppm | ASTM D5185m | >20 limit/base NONE | 0 0 0 0 <1 4 101 current 5 0 0 | history1 history1 | history2 history2 |
| Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal Yellow Metal | ppm ppm ppm ppm ppm ppm ppm ppm ppm | ASTM D5185m Method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m *Visual | >20 limit/base NONE NONE | 0 0 0 0 <1 4 101 current 5 0 0 current NONE | history1 history1 | history2 history2 |
| Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate | ppm ppm ppm ppm ppm ppm ppm ppm ppm scalar scalar | ASTM D5185m Method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m *Visual *Visual *Visual | >20 limit/base NONE NONE | 0 0 0 0 <1 4 101 current 5 0 0 current NONE NONE | history1 history1 | history2 history2 |
| Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt | ppm ppm ppm ppm ppm ppm ppm ppm ppm scalar scalar scalar | ASTM D5185m Method ASTM D5185m ASTM D5185m *Visual *Visual *Visual *Visual | >20 limit/base NONE NONE NONE | 0 0 0 0 <1 4 101 current 5 0 0 current NONE NONE NONE NONE | history1 history1 | history2 history2 |
| Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt Debris | ppm ppm ppm ppm ppm ppm ppm ppm ppm scalar scalar scalar scalar | ASTM D5185m Method ASTM D5185m ASTM D5185m *Visual *Visual *Visual *Visual *Visual *Visual *Visual | >20 limit/base NONE NONE NONE NONE NONE NONE | 0 0 0 0 <1 4 101 current 5 0 0 current NONE NONE NONE NONE NONE NONE | history1 history1 | history2 history2 |
| Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt Debris Sand/Dirt | ppm ppm ppm ppm ppm ppm ppm ppm ppm scalar scalar scalar scalar scalar | ASTM D5185m Method ASTM D5185m ASTM D5185m *Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual | >20 limit/base NONE NONE NONE NONE NONE | 0 0 0 0 <1 4 101 current 5 0 0 current NONE NONE NONE NONE NONE NONE NONE NON | history1 history1 | history2 history2 |
| Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt Debris Sand/Dirt Appearance | ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm | ASTM D5185m *Visual | >20 limit/base NONE NONE NONE NONE NONE NONE NONE NON | 0 0 0 1 1 4 101 current 5 0 0 current NONE NONE NONE NONE NONE NONE NONE NON | history1 history1 | history2 history2 |
| Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt Debris Sand/Dirt Appearance Odor | ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm | ASTM D5185m Method ASTM D5185m ASTM D5185m ASTM D5185m ASTM U5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM U5185m ASTM U51 | >20 limit/base NONE NONE NONE NONE NONE NONE NONE NON | 0 0 0 1 101 current 5 0 0 current NONE NONE NONE NONE NONE NONE NONE NON | history1 history1 | history2 history2 |



OIL ANALYSIS REPORT

| SAMPLE IMAGES | method | limit/base | current | history1 | history2 |
|---------------|--------|------------|----------|----------|----------|
| Color | | | no image | no image | no image |
| Bottom | | | no image | no image | no image |
| GRAPHS | | | | | |



Certificate 12367

Laboratory: WearCheck USA - 501 Madison Ave., Cary, NC 27513 **Sample No.** : WC06147902

Lab Number : 06147902 Unique Number : 10977980

Received : 12 Apr 2024 Tested

: 15 Apr 2024 Diagnosed : 16 Apr 2024 - Jonathan Hester

2825 SCHUETTE RD MIDLAND, MI US 48642 Contact: BRYAN DOLE

Test Package : TEST (Additional Tests: ICP) 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)

Contact/Location: BRYAN DOLE - XAEMID

T:

F:

XAERUS FLUIDS

bdole@xaerusfluids.com