



OIL ANALYSIS REPORT

Sample Rating Trend



VISCOSITY



Area

MINING

Machine Id

ME-501 TRACKMOBILE ME-501

Component

Air Compressor

Fluid

SHELL Spirax S4 CX 30 (--- GAL)

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 oil viscosity is lower than normal. This plus the additive levels indicates the addition of a different brand, or type of oil. Confirm oil type.

| SAMPLE INFORMATION | method | limit/base | current | history1 | history2 |
|--------------------|-------------|-------------|--------------------|----------|----------|
| Sample Number | Client Info | | WC0928241 | --- | --- |
| Sample Date | Client Info | | 19 Jun 2024 | --- | --- |
| Machine Age | hrs | Client Info | 0 | --- | --- |
| Oil Age | hrs | Client Info | 0 | --- | --- |
| Oil Changed | Client Info | | N/A | --- | --- |
| Sample Status | | | ATTENTION | --- | --- |

| CONTAMINATION | method | limit/base | current | history1 | history2 |
|---------------|-----------|------------|------------|----------|----------|
| Water | WC Method | >0.6 | NEG | --- | --- |

| WEAR METALS | method | limit/base | current | history1 | history2 | |
|-------------|--------|-------------|---------|--------------|----------|-----|
| Iron | ppm | ASTM D5185m | >50 | 0 | --- | --- |
| Chromium | ppm | ASTM D5185m | >4 | 0 | --- | --- |
| Nickel | ppm | ASTM D5185m | >4 | <1 | --- | --- |
| Titanium | ppm | ASTM D5185m | | 0 | --- | --- |
| Silver | ppm | ASTM D5185m | | 0 | --- | --- |
| Aluminum | ppm | ASTM D5185m | >10 | <1 | --- | --- |
| Lead | ppm | ASTM D5185m | >20 | 0 | --- | --- |
| Copper | ppm | ASTM D5185m | >40 | <1 | --- | --- |
| Tin | ppm | ASTM D5185m | >5 | 1 | --- | --- |
| Vanadium | ppm | ASTM D5185m | | 0 | --- | --- |
| Cadmium | ppm | ASTM D5185m | | 0 | --- | --- |

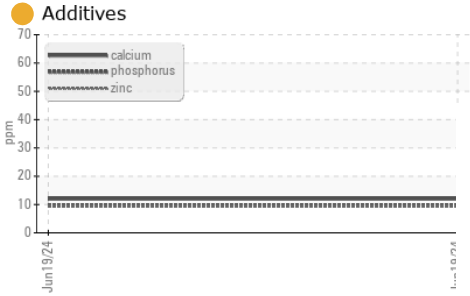
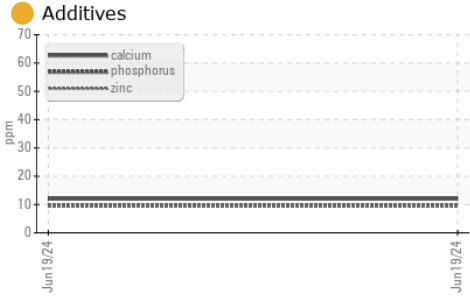
| ADDITIVES | method | limit/base | current | history1 | history2 | |
|------------|--------|-------------|---------|--------------|----------|-----|
| Boron | ppm | ASTM D5185m | | 4 | --- | --- |
| Barium | ppm | ASTM D5185m | | 679 | --- | --- |
| Molybdenum | ppm | ASTM D5185m | | 0 | --- | --- |
| Manganese | ppm | ASTM D5185m | | <1 | --- | --- |
| Magnesium | ppm | ASTM D5185m | | <1 | --- | --- |
| Calcium | ppm | ASTM D5185m | | 12 | --- | --- |
| Phosphorus | ppm | ASTM D5185m | | 10 | --- | --- |
| Zinc | ppm | ASTM D5185m | | 9 | --- | --- |
| Sulfur | ppm | ASTM D5185m | | 371 | --- | --- |

| CONTAMINANTS | method | limit/base | current | history1 | history2 | |
|--------------|--------|-------------|---------|----------|----------|-----|
| Silicon | ppm | ASTM D5185m | >25 | 2 | --- | --- |
| Sodium | ppm | ASTM D5185m | | 4 | --- | --- |
| Potassium | ppm | ASTM D5185m | >20 | 3 | --- | --- |

| 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 | >0.6 | NEG | --- | --- |
| Free Water | scalar | *Visual | | NEG | --- | --- |



OIL ANALYSIS REPORT



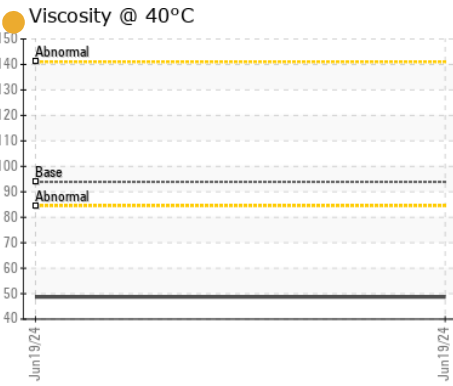
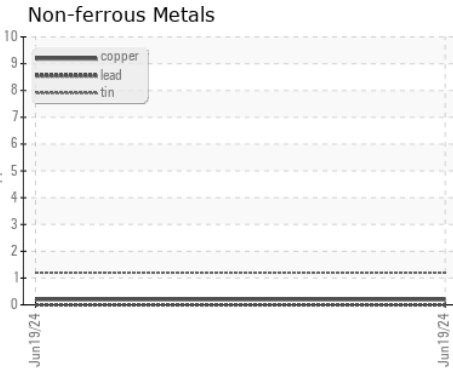
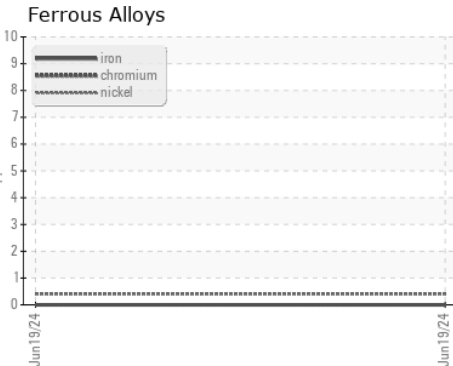
FLUID PROPERTIES

| method | limit/base | current | history1 | history2 | |
|-------------|------------|----------------|----------|----------|-----|
| Visc @ 40°C | cSt | ASTM D445 93.9 | 48.7 | --- | --- |

SAMPLE IMAGES

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

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0928241 **Received** : 24 Jun 2024
Lab Number : **06218687** **Tested** : 25 Jun 2024
Unique Number : 11096884 **Diagnosed** : 26 Jun 2024 - Sean Felton
Test Package : CONST

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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