



OIL ANALYSIS REPORT

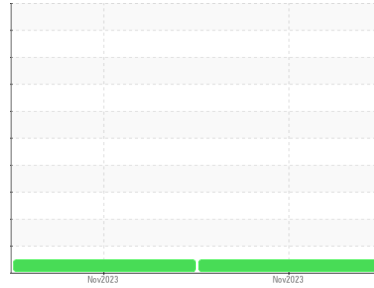
Sample Rating Trend

NORMAL



Machine Id
2023-RR1 S21 - WC BELGIUM

Component
Oil
Fluid
NOT GIVEN (--- GAL)



DIAGNOSIS

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

| SAMPLE INFORMATION | | method | limit/base | current | history1 | history2 |
|--------------------|-------------|-------------|------------|--------------------|-------------|----------|
| Sample Number | Client Info | | | WC06010450 | WC06010449 | --- |
| Sample Date | Client Info | | | 09 Nov 2023 | 08 Nov 2023 | --- |
| Machine Age | hrs | Client Info | | 0 | 0 | --- |
| Oil Age | hrs | Client Info | | 0 | 0 | --- |
| Oil Changed | Client Info | | | N/A | N/A | --- |
| Sample Status | | | | NORMAL | NORMAL | --- |

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

| WEAR METALS | | method | limit/base | current | history1 | history2 |
|-------------|-----|-------------|------------|-----------|----------|----------|
| Iron | ppm | ASTM D5185m | >20 | 48 | 47 | --- |
| Chromium | ppm | ASTM D5185m | >20 | 47 | 46 | --- |
| Nickel | ppm | ASTM D5185m | >20 | 46 | 46 | --- |
| Titanium | ppm | ASTM D5185m | | 47 | 47 | --- |
| Silver | ppm | ASTM D5185m | | 45 | 45 | --- |
| Aluminum | ppm | ASTM D5185m | >20 | 46 | 45 | --- |
| Lead | ppm | ASTM D5185m | >20 | 46 | 45 | --- |
| Copper | ppm | ASTM D5185m | >20 | 53 | 52 | --- |
| Tin | ppm | ASTM D5185m | >20 | 45 | 45 | --- |
| Vanadium | ppm | ASTM D5185m | | 47 | 46 | --- |
| Cadmium | ppm | ASTM D5185m | | 46 | 45 | --- |

| ADDITIVES | | method | limit/base | current | history1 | history2 |
|------------|-----|-------------|------------|--------------|----------|----------|
| Boron | ppm | ASTM D5185m | | 42 | 40 | --- |
| Barium | ppm | ASTM D5185m | | 45 | 45 | --- |
| Molybdenum | ppm | ASTM D5185m | | 47 | 46 | --- |
| Manganese | ppm | ASTM D5185m | | 49 | 48 | --- |
| Magnesium | ppm | ASTM D5185m | | 46 | 45 | --- |
| Calcium | ppm | ASTM D5185m | | 53 | 53 | --- |
| Phosphorus | ppm | ASTM D5185m | | 195 | 192 | --- |
| Zinc | ppm | ASTM D5185m | | 38 | 38 | --- |
| Sulfur | ppm | ASTM D5185m | | 12163 | 12091 | --- |

| CONTAMINANTS | | method | limit/base | current | history1 | history2 |
|--------------|-----|-------------|------------|-----------|----------|----------|
| Silicon | ppm | ASTM D5185m | >15 | 50 | 49 | --- |
| Sodium | ppm | ASTM D5185m | | 45 | 44 | --- |
| Potassium | ppm | ASTM D5185m | >20 | 48 | 48 | --- |

SAMPLE IMAGES

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



OIL ANALYSIS REPORT

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC06010450 **Received** : 16 Nov 2023
Lab Number : 06010450 **Diagnosed** : 29 Nov 2023
Unique Number : 10749594 **Diagnostician** : Doug Bogart
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)

Alpha Maintenance Systems
WearCheck Belgium, 713 Bergensesteenweg
St.-Pieters-Leeuw, ZZ
BE B-1600
Contact: Kenny De Smet
Kenny.DESMET@alphams.eu
T:
F: 3(202)361-3458