

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

AC 1 (S/N MOX1007441)

Component Air Compressor

USPI MAX FG AIR 46 (--- GAL)

Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable.

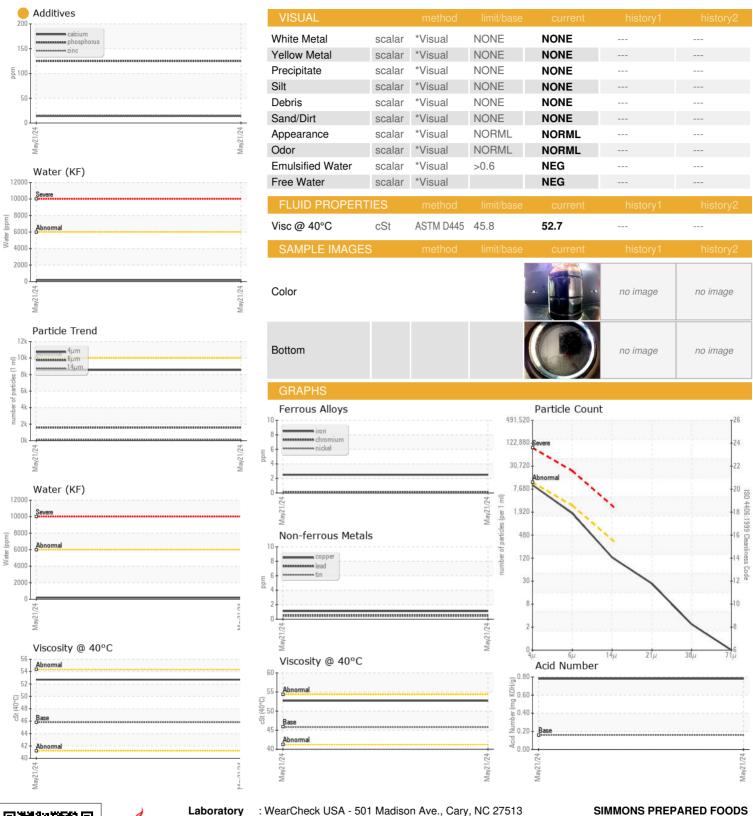
Fluid Condition

Additive levels indicate the addition of a different brand or type of oil. Confirmed. The AN level is acceptable for this fluid.

| | | | | May2024 | | |
|-------------------|------------|---------------|------------|-------------|----------|----------|
| OAMBLE INFORM | AATIONI | | 11 11 11 | | | 1111 |
| SAMPLE INFORM | IATION | method | limit/base | current | history1 | history2 |
| Sample Number | | Client Info | | USPM36379 | | |
| Sample Date | | Client Info | | 21 May 2024 | | |
| Machine Age | hrs | Client Info | | 10088 | | |
| Oil Age | hrs | Client Info | | 0 | | |
| Oil Changed | | Client Info | | N/A | | |
| Sample Status | | | | ATTENTION | | |
| WEAR METALS | | method | limit/base | current | history1 | history2 |
| Iron | ppm | ASTM D5185m | >50 | 2 | | |
| Chromium | ppm | ASTM D5185m | >4 | <1 | | |
| Nickel | ppm | ASTM D5185m | >4 | 0 | | |
| Titanium | ppm | ASTM D5185m | | <1 | | |
| Silver | ppm | ASTM D5185m | | 0 | | |
| Aluminum | ppm | ASTM D5185m | >10 | 2 | | |
| Lead | ppm | ASTM D5185m | >20 | <1 | | |
| 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 | 0 | 0 | | |
| Barium | ppm | ASTM D5185m | 0 | 8 | | |
| Molybdenum | ppm | ASTM D5185m | 0 | <1 | | |
| Manganese | ppm | ASTM D5185m | | <1 | | |
| Magnesium | ppm | ASTM D5185m | 0 | 11 | | |
| Calcium | ppm | ASTM D5185m | 0 | 14 | | |
| Phosphorus | ppm | ASTM D5185m | 0 | <u> </u> | | |
| Zinc | ppm | ASTM D5185m | 0 | 15 | | |
| Sulfur | ppm | ASTM D5185m | 0 | 232 | | |
| CONTAMINANTS | | method | limit/base | current | history1 | history2 |
| Silicon | ppm | ASTM D5185m | >25 | <1 | | |
| Sodium | ppm | ASTM D5185m | 725 | 36 | | |
| Potassium | | ASTM D5185m | >20 | 6 | | |
| Water | ppm % | ASTM D5765111 | >0.6 | 0.018 | | |
| ppm Water | ppm | ASTM D6304 | >6000 | 189 | | |
| FLUID CLEANLIN | | method | limit/base | current | history1 | history2 |
| Particles >4µm | | ASTM D7647 | >10000 | 8553 | | |
| Particles >6µm | | ASTM D7647 | >2500 | 1575 | | |
| Particles >14µm | | ASTM D7647 | >320 | 111 | | |
| Particles >21µm | | ASTM D7647 | >80 | 23 | | |
| Particles >38µm | | ASTM D7647 | >20 | 2 | | |
| Particles >71µm | | ASTM D7647 | >4 | 0 | | |
| Oil Cleanliness | | ISO 4406 (c) | >20/18/15 | 20/18/14 | | |
| FLUID DEGRADA | TION _ | method | limit/base | current | history1 | history2 |
| Acid Number (AN) | mg KOH/g | ASTM D8045 | 0.16 | 0.78 | | |
| AGIO NUMBER (AIN) | my NOT I/g | 70 LINI D0043 | 0.10 | 0.70 | | |



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No.

: USPM36379 Lab Number : 06195464 Unique Number : 11057587

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 30 May 2024

Tested : 31 May 2024 Diagnosed : 31 May 2024 - Doug Bogart

Test Package : IND 2 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)

Report Id: SIMGEN [WUSCAR] 06195464 (Generated: 05/31/2024 20:27:00) Rev: 1

Contact/Location: Service Manager - SIMGEN

9802 AR-59

US 72734

T:

F:

GENTRY, AR

Contact: Service Manager