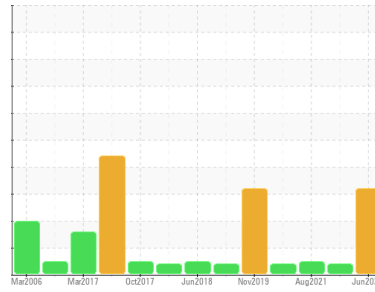




OIL ANALYSIS REPORT

Sample Rating Trend



WATER



Machine Id
INGERSOLL RAND SEAGUY AC-3 (S/N F14326U95151)
 Component
Air Compressor
 Fluid
USPI AIR 46 (--- GAL)

DIAGNOSIS

Recommendation

We advise that you follow the water drain-off procedure for this component. Resample at the next service interval to monitor. We were unable to perform a particle count due to a high concentration of particles present in this sample.

Wear

All component wear rates are normal.

Contamination

There is a moderate amount of visible silt present in the sample. Free water present.

Fluid Condition

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

SAMPLE INFORMATION

| method | limit/base | current | history1 | history2 |
|---------------|-------------|--------------------|-------------|-------------|
| Sample Number | Client Info | USPM37584 | USPM22211 | USPM16769 |
| Sample Date | Client Info | 02 Jun 2024 | 04 Jul 2022 | 17 Aug 2021 |
| Machine Age | hrs | 971 | 0 | 0 |
| Oil Age | hrs | 0 | 0 | 0 |
| Oil Changed | Client Info | N/A | N/A | N/A |
| Sample Status | | ABNORMAL | ABNORMAL | NORMAL |

WEAR METALS

| method | limit/base | current | history1 | history2 | |
|----------|------------|-----------------|--------------|----------|---|
| Iron | ppm | ASTM D5185m >50 | 0 | 0 | 0 |
| Chromium | ppm | ASTM D5185m >4 | <1 | 0 | 0 |
| Nickel | ppm | ASTM D5185m >4 | 0 | 0 | 0 |
| Titanium | ppm | ASTM D5185m | 0 | 0 | 0 |
| Silver | ppm | ASTM D5185m | 0 | <1 | 0 |
| Aluminum | ppm | ASTM D5185m >10 | 0 | 1 | 0 |
| Lead | ppm | ASTM D5185m >20 | 0 | <1 | 0 |
| Copper | ppm | ASTM D5185m >40 | 0 | <1 | 0 |
| Tin | ppm | ASTM D5185m >5 | 0 | <1 | 0 |
| Antimony | ppm | ASTM D5185m | --- | --- | 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 | <1 | <1 |
| Barium | ppm | ASTM D5185m 0 | 0 | 0 | 0 |
| Molybdenum | ppm | ASTM D5185m 0 | 0 | 0 | 0 |
| Manganese | ppm | ASTM D5185m | 0 | 0 | 0 |
| Magnesium | ppm | ASTM D5185m 0 | 0 | <1 | 0 |
| Calcium | ppm | ASTM D5185m 0 | 0 | 0 | 0 |
| Phosphorus | ppm | ASTM D5185m 1 | 618 | 1 | 15 |
| Zinc | ppm | ASTM D5185m 0 | 0 | 0 | 0 |
| Sulfur | ppm | ASTM D5185m 0 | 207 | 14 | 0 |

CONTAMINANTS

| method | limit/base | current | history1 | history2 | |
|-----------|------------|------------------|--------------|----------|-------|
| Silicon | ppm | ASTM D5185m >25 | 0 | <1 | 1 |
| Sodium | ppm | ASTM D5185m | 0 | 0 | 0 |
| Potassium | ppm | ASTM D5185m >20 | <1 | <1 | 0 |
| Water | % | ASTM D6304 >0.2 | 0.067 | 0.109 | 0.093 |
| ppm Water | ppm | ASTM D6304 >2000 | 670 | 1090.8 | 930.3 |

FLUID CLEANLINESS

| method | limit/base | current | history1 | history2 |
|-----------------|------------------------|------------|----------|----------|
| Particles >4µm | ASTM D7647 >10000 | --- | --- | 5907 |
| Particles >6µm | ASTM D7647 >2500 | --- | --- | 1581 |
| Particles >14µm | ASTM D7647 >320 | --- | --- | 124 |
| Particles >21µm | ASTM D7647 >80 | --- | --- | 41 |
| Particles >38µm | ASTM D7647 >20 | --- | --- | 0 |
| Particles >71µm | ASTM D7647 >4 | --- | --- | 0 |
| Oil Cleanliness | ISO 4406 (c) >20/18/15 | --- | --- | 20/18/14 |

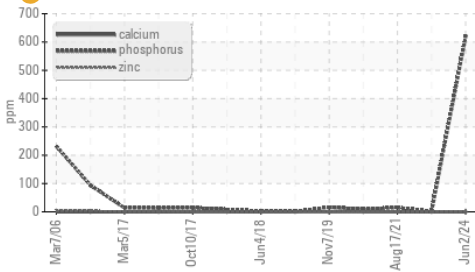
FLUID DEGRADATION

| method | limit/base | current | history1 | history2 | |
|------------------|------------|-----------------|-------------|----------|-------|
| Acid Number (AN) | mg KOH/g | ASTM D8045 0.05 | 0.14 | 0.195 | 0.251 |

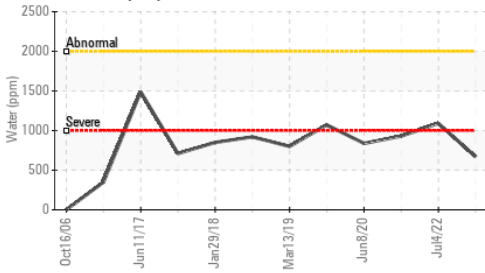


OIL ANALYSIS REPORT

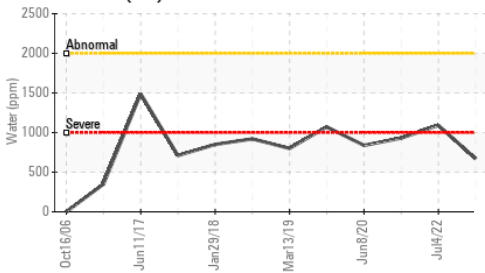
Additives



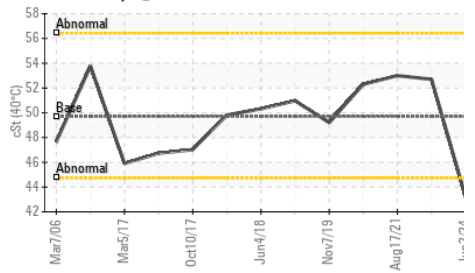
Water (KF)



Water (KF)



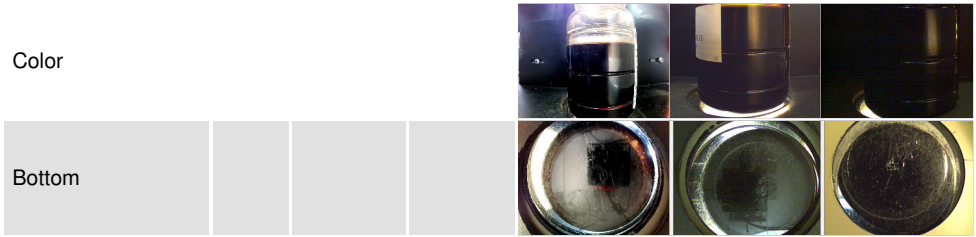
Viscosity @ 40°C



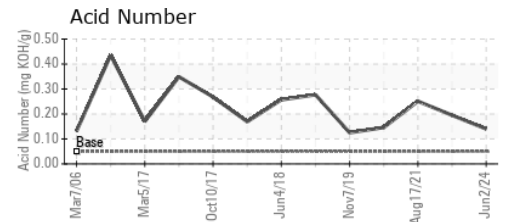
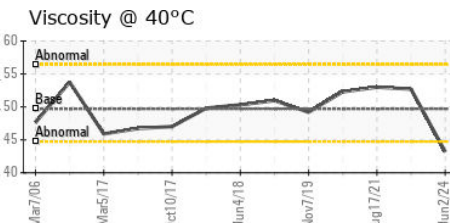
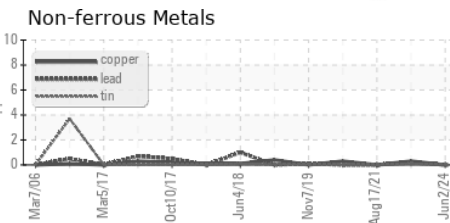
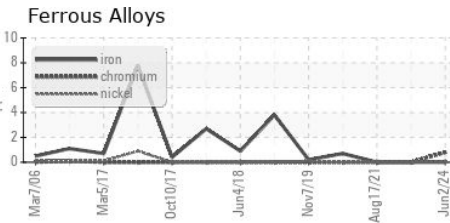
| VISUAL | method | limit/base | current | history1 | history2 |
|------------------|--------|------------|---------|----------|----------|
| White Metal | scalar | *Visual | NONE | NONE | NONE |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE |
| Precipitate | scalar | *Visual | NONE | NONE | NONE |
| Silt | scalar | *Visual | ▲ MODER | NONE | NONE |
| Debris | scalar | *Visual | NONE | ▲ MODER | LIGHT |
| Sand/Dirt | scalar | *Visual | NONE | NONE | NONE |
| Appearance | scalar | *Visual | NORML | NORML | NORML |
| Odor | scalar | *Visual | NORML | NORML | NORML |
| Emulsified Water | scalar | *Visual | >0.2 | 0.2% | NEG |
| Free Water | scalar | *Visual | ▲ 1.0 | NEG | NEG |

| FLUID PROPERTIES | method | limit/base | current | history1 | history2 |
|------------------|--------|------------|---------|----------|----------|
| Visc @ 40°C | cSt | ASTM D445 | 49.7 | 43.2 | 52.7 |

| SAMPLE IMAGES | method | limit/base | current | history1 | history2 |
|---------------|--------|------------|---------|----------|----------|
|---------------|--------|------------|---------|----------|----------|



GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : USPM37584
Lab Number : 06204682
Unique Number : 11072143
Test Package : IND 2

Received : 10 Jun 2024
Tested : 18 Jun 2024
Diagnosed : 18 Jun 2024 - Doug Bogart

SEABOARD FOODS
 2700 ne 28th street
 GUYMON, OK
 US 73942
 Contact: SERGIO CARLOS

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)

T: (580)338-9613

F: