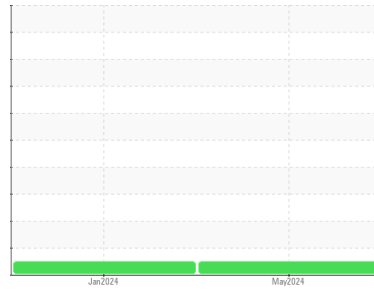




OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id
MPUMP-009 (S/N 24595/D)
 Component
Gearbox
 Fluid
{not provided} (--- QTS)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.
 NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample. Please specify the brand, type, and viscosity of the oil on your next sample.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

SAMPLE INFORMATION

| | method | limit/base | current | history1 | history2 |
|---------------|-------------|-------------|--------------------|-------------|----------|
| Sample Number | Client Info | | WC0898958 | WC0877114 | --- |
| Sample Date | Client Info | | 11 May 2024 | 15 Jan 2024 | --- |
| Machine Age | mths | Client Info | 0 | 0 | --- |
| Oil Age | mths | Client Info | 0 | 4 | --- |
| Oil Changed | Client Info | | Changed | Changed | --- |
| Sample Status | | | NORMAL | NORMAL | --- |

CONTAMINATION

| | method | limit/base | current | history1 | history2 |
|-------|-----------|------------|------------|----------|----------|
| Water | WC Method | >0.2 | NEG | NEG | --- |

WEAR METALS

| | method | limit/base | current | history1 | history2 |
|----------|--------|------------------|-----------|----------|----------|
| Iron | ppm | ASTM D5185m >200 | 13 | 15 | --- |
| Chromium | ppm | ASTM D5185m >15 | 0 | 0 | --- |
| Nickel | ppm | ASTM D5185m >15 | 0 | 0 | --- |
| Titanium | ppm | ASTM D5185m | 0 | 0 | --- |
| Silver | ppm | ASTM D5185m | 0 | 0 | --- |
| Aluminum | ppm | ASTM D5185m >25 | 0 | 0 | --- |
| Lead | ppm | ASTM D5185m >100 | 0 | <1 | --- |
| Copper | ppm | ASTM D5185m >200 | 1 | <1 | --- |
| Tin | ppm | ASTM D5185m >25 | 0 | <1 | --- |
| Vanadium | ppm | ASTM D5185m | 0 | 0 | --- |
| Cadmium | ppm | ASTM D5185m | 0 | 0 | --- |

ADDITIVES

| | method | limit/base | current | history1 | history2 |
|------------|--------|-------------|--------------|----------|----------|
| Boron | ppm | ASTM D5185m | 0 | <1 | --- |
| Barium | ppm | ASTM D5185m | <1 | 0 | --- |
| Molybdenum | ppm | ASTM D5185m | 0 | 0 | --- |
| Manganese | ppm | ASTM D5185m | 0 | <1 | --- |
| Magnesium | ppm | ASTM D5185m | 0 | <1 | --- |
| Calcium | ppm | ASTM D5185m | 49 | 57 | --- |
| Phosphorus | ppm | ASTM D5185m | 31 | 39 | --- |
| Zinc | ppm | ASTM D5185m | 10 | 2 | --- |
| Sulfur | ppm | ASTM D5185m | 4798 | 4724 | --- |

CONTAMINANTS

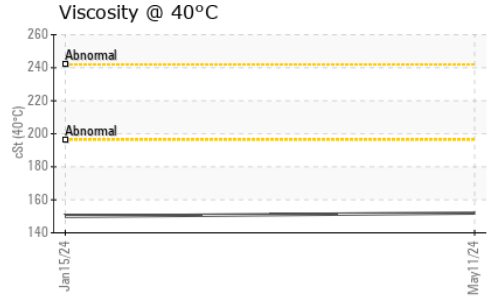
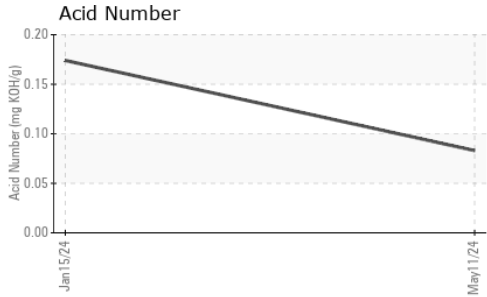
| | method | limit/base | current | history1 | history2 |
|-----------|--------|-----------------|----------|----------|----------|
| Silicon | ppm | ASTM D5185m >50 | 3 | 3 | --- |
| Sodium | ppm | ASTM D5185m | 3 | 2 | --- |
| Potassium | ppm | ASTM D5185m >20 | 0 | 0 | --- |

FLUID DEGRADATION

| | method | limit/base | current | history1 | history2 |
|------------------|----------|------------|--------------|----------|----------|
| Acid Number (AN) | mg KOH/g | ASTM D8045 | 0.083 | 0.174 | --- |



OIL ANALYSIS REPORT



| PARAMETER | 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 | >0.2 | NEG | --- |
| Free Water | scalar | *Visual | | NEG | --- |

| FLUID PROPERTIES | method | limit/base | current | history1 | history2 |
|------------------|--------|------------|---------|----------|----------|
| Visc @ 40°C | cSt | ASTM D445 | 152 | 150 | --- |

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

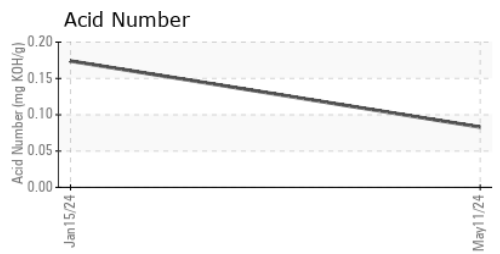
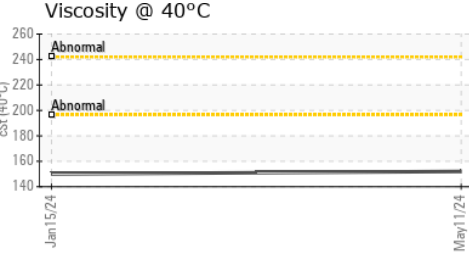
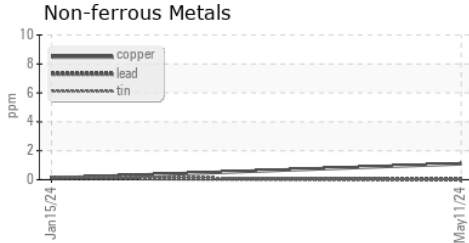
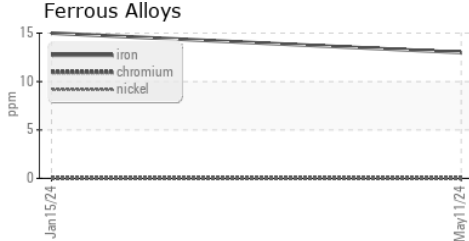
Color

no image

Bottom

no image

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0898958 **Received** : 10 May 2024
Lab Number : 06175664 **Tested** : 13 May 2024
Unique Number : 11021717 **Diagnosed** : 13 May 2024 - Wes Davis
Test Package : IND 2

PRINSCO - JESUP
 850 HAWKEYE RD
 JESUP, IA
 US 50648

Contact: Spencer Reedy
 spencer.reedy@prinsco.com

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:
F: