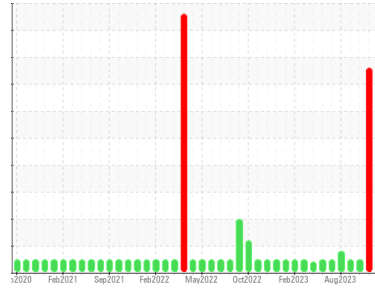




OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Area
WP08
 Machine Id
WP08CL02 (S/N 1715228)
 Component
Gearbox
 Fluid
MOBIL SHC 632 (2 GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. (Customer Sample Comment: Oil change at unscheduled rebuild due to excessive wear on gears.)

Wear

All component wear rates are normal for time on oil.

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 | WC0834265 | WC0834271 | WC0520025 |
| Sample Date | Client Info | 15 Nov 2023 | 08 Nov 2023 | 10 Oct 2023 |
| Machine Age | hrs | 1682 | 1635 | 1070 |
| Oil Age | hrs | 47 | 565 | 650 |
| Oil Changed | Client Info | Changed | Changed | Changed |
| Sample Status | | NORMAL | SEVERE | NORMAL |

CONTAMINATION

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

WEAR METALS

| method | limit/base | current | history1 | history2 |
|----------|----------------------|--------------|----------|----------|
| Iron | ppm ASTM D5185m >200 | 3 | 8 | 20 |
| Chromium | ppm ASTM D5185m >15 | 0 | 0 | 0 |
| Nickel | ppm ASTM D5185m >15 | 1 | ▲ 13 | 0 |
| Titanium | ppm ASTM D5185m | 0 | 0 | 0 |
| Silver | ppm ASTM D5185m | 0 | <1 | 0 |
| Aluminum | ppm ASTM D5185m >25 | <1 | 1 | 8 |
| Lead | ppm ASTM D5185m >100 | 0 | 0 | 0 |
| Copper | ppm ASTM D5185m >200 | 111 | ● 585 | 11 |
| Tin | ppm ASTM D5185m >25 | 13 | ▲ 90 | 2 |
| 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 | 0 |
| Barium | ppm ASTM D5185m | 0 | 0 | 0 |
| Molybdenum | ppm ASTM D5185m | 0 | 0 | 0 |
| Manganese | ppm ASTM D5185m | <1 | <1 | <1 |
| Magnesium | ppm ASTM D5185m | 0 | 0 | 0 |
| Calcium | ppm ASTM D5185m | 2 | 7 | 34 |
| Phosphorus | ppm ASTM D5185m | 428 | 278 | 406 |
| Zinc | ppm ASTM D5185m | 14 | 4 | 89 |
| Sulfur | ppm ASTM D5185m | 0 | 19 | 98 |

CONTAMINANTS

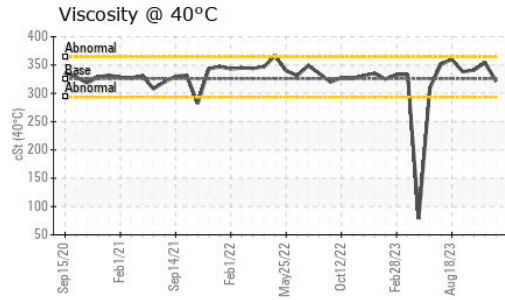
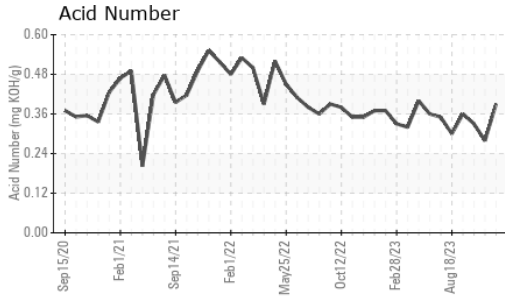
| method | limit/base | current | history1 | history2 |
|-----------|---------------------|-----------|----------|----------|
| Silicon | ppm ASTM D5185m >50 | 28 | 16 | 23 |
| Sodium | ppm ASTM D5185m | 1 | 0 | 0 |
| Potassium | ppm ASTM D5185m >20 | 0 | 0 | <1 |

FLUID DEGRADATION

| method | limit/base | current | history1 | history2 |
|------------------|---------------------|-------------|----------|----------|
| Acid Number (AN) | mg KOH/g ASTM D8045 | 0.39 | 0.279 | 0.33 |



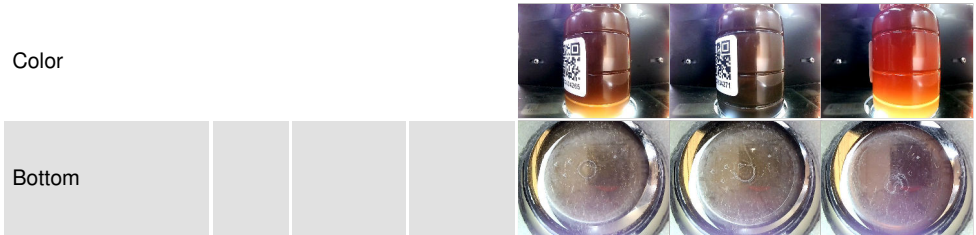
OIL ANALYSIS REPORT



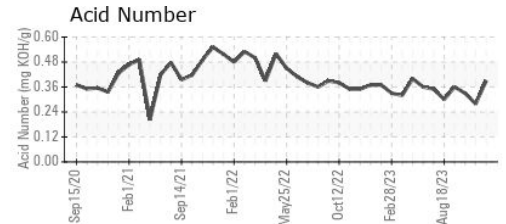
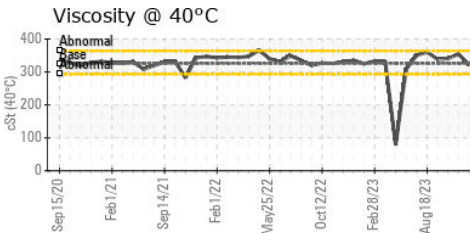
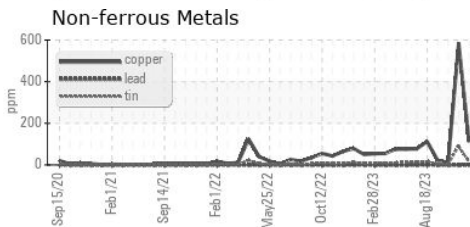
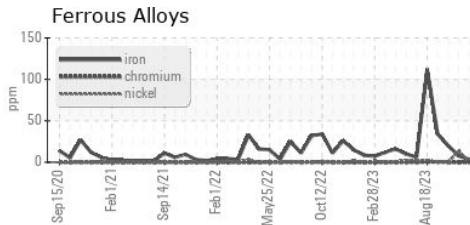
| VISUAL | method | limit/base | current | history1 | history2 |
|------------------|--------|------------|---------|----------|----------|
| White Metal | scalar | *Visual | NONE | NONE | NONE |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE |
| Precipitate | scalar | *Visual | NONE | NONE | NONE |
| Silt | scalar | *Visual | NONE | MODER | NONE |
| Debris | scalar | *Visual | NONE | NONE | NONE |
| 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 | NEG | NEG |
| Free Water | scalar | *Visual | | NEG | NEG |

| FLUID PROPERTIES | method | limit/base | current | history1 | history2 |
|------------------|--------|------------|---------|----------|----------|
| Visc @ 40°C | cSt | ASTM D445 | 325.8 | 321 | 354 |

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



GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
 Sample No. : WC0834265
 Lab Number : 06027923
 Unique Number : 10777714
 Test Package : IND 2

LEPRINO FOODS-FORT MORGAN
 2400 EAST BEAVER AVE
 FORT MORGAN, CO
 US 80701
 Contact: KEITH SCHULTE
 kschulte@leprinofoods.com
 T: (970)542-4247
 F: (970)542-4241

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)