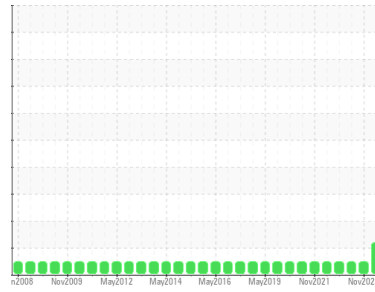




OIL ANALYSIS REPORT

Area
LFC-1030-CM-01-CM031 [1971565]
 Machine Id
MC01MT01-1030 - DMC#1 BELT#1
 Component
Gearbox
 Fluid
LE 4220 (--- GAL)

Sample Rating Trend



CONTAMINANT



DIAGNOSIS

Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

Appearance is hazy. Moderate concentration of visible dirt/debris present in the oil. There is a trace of moisture present 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 | | WC0935417 | WC0875150 | WC0793904 |
| Sample Date | Client Info | | 28 May 2024 | 09 Nov 2023 | 07 May 2023 |
| Machine Age | days | Client Info | 90 | 0 | 0 |
| Oil Age | days | Client Info | 90 | 0 | 0 |
| Oil Changed | Client Info | | N/A | N/A | N/A |
| Sample Status | | | ABNORMAL | NORMAL | NORMAL |

WEAR METALS

| | method | limit/base | current | history1 | history2 | |
|----------|--------|-------------|---------|--------------|----------|----|
| Iron | ppm | ASTM D5185m | >200 | 89 | 19 | 26 |
| Chromium | ppm | ASTM D5185m | >15 | 1 | 0 | <1 |
| Nickel | ppm | ASTM D5185m | >15 | <1 | 0 | 2 |
| Titanium | ppm | ASTM D5185m | | <1 | <1 | 0 |
| Silver | ppm | ASTM D5185m | | <1 | 0 | <1 |
| Aluminum | ppm | ASTM D5185m | >25 | 2 | 0 | 2 |
| Lead | ppm | ASTM D5185m | >100 | <1 | 0 | <1 |
| Copper | ppm | ASTM D5185m | >200 | <1 | <1 | <1 |
| Tin | ppm | ASTM D5185m | >25 | <1 | 0 | <1 |
| Vanadium | ppm | ASTM D5185m | | <1 | <1 | <1 |
| Cadmium | ppm | ASTM D5185m | | <1 | 0 | 0 |

ADDITIVES

| | method | limit/base | current | history1 | history2 | |
|------------|--------|-------------|---------|--------------|----------|------|
| Boron | ppm | ASTM D5185m | | 0 | 0 | 0 |
| Barium | ppm | ASTM D5185m | | 4 | 0 | 0 |
| Molybdenum | ppm | ASTM D5185m | | <1 | 0 | 0 |
| Manganese | ppm | ASTM D5185m | | 1 | 0 | <1 |
| Magnesium | ppm | ASTM D5185m | | 3 | 0 | 2 |
| Calcium | ppm | ASTM D5185m | | 25 | 0 | <1 |
| Phosphorus | ppm | ASTM D5185m | | 309 | 208 | 290 |
| Zinc | ppm | ASTM D5185m | | 41 | 0 | 0 |
| Sulfur | ppm | ASTM D5185m | | 1369 | 1074 | 1840 |

CONTAMINANTS

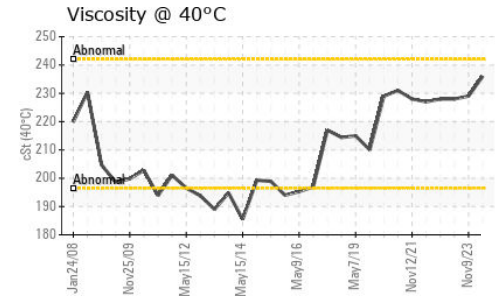
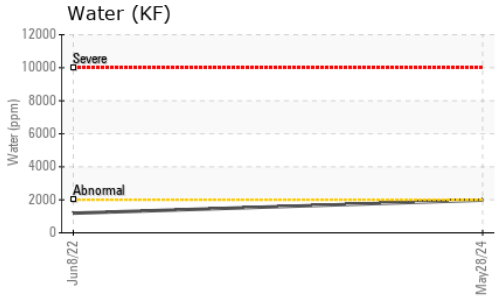
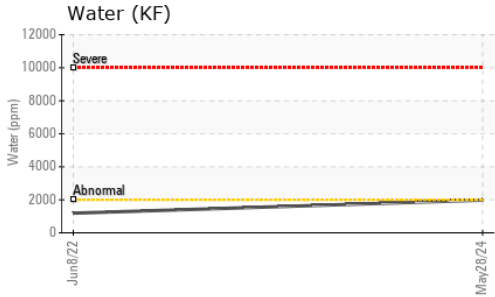
| | method | limit/base | current | history1 | history2 | |
|-----------|--------|-------------|---------|--------------|----------|-----|
| Silicon | ppm | ASTM D5185m | >50 | 5 | <1 | <1 |
| Sodium | ppm | ASTM D5185m | | 4 | 0 | 0 |
| Potassium | ppm | ASTM D5185m | >20 | 2 | <1 | 4 |
| Water | % | ASTM D6304 | >0.2 | 0.198 | --- | --- |
| ppm Water | ppm | ASTM D6304 | >2000 | 1980 | --- | --- |

FLUID DEGRADATION

| | method | limit/base | current | history1 | history2 | |
|------------------|----------|------------|---------|-------------|----------|------|
| Acid Number (AN) | mg KOH/g | ASTM D8045 | | 0.53 | 0.30 | 0.34 |



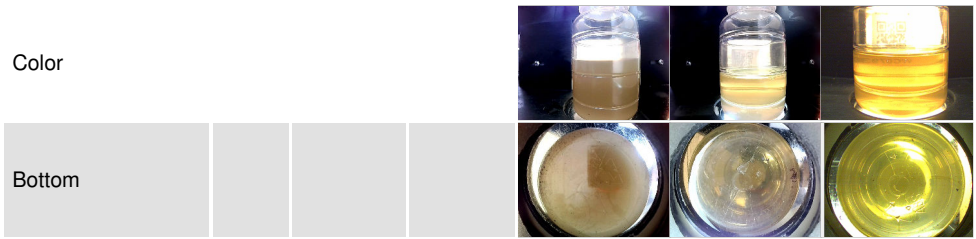
OIL ANALYSIS REPORT



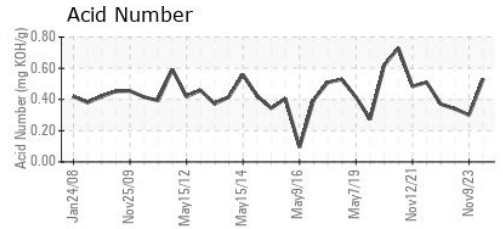
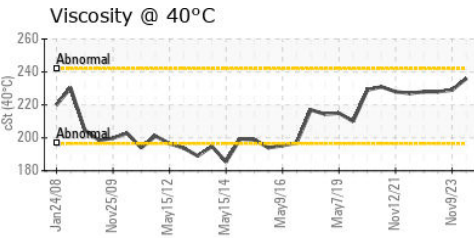
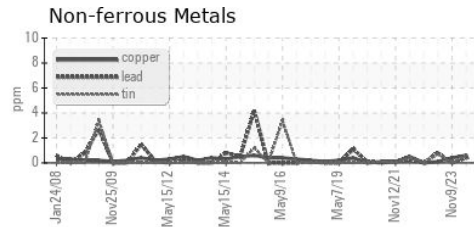
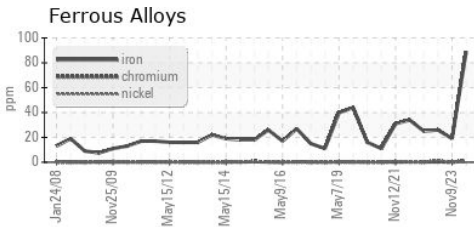
| VISUAL | method | limit/base | current | history1 | history2 |
|------------------|--------|------------|---------|----------|----------|
| White Metal | scalar | *Visual | NONE | NONE | LIGHT |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE |
| Precipitate | scalar | *Visual | NONE | NONE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

| FLUID PROPERTIES | method | limit/base | current | history1 | history2 |
|------------------|--------|------------|---------|----------|----------|
| Visc @ 40°C | cSt | ASTM D445 | 236 | 229 | 228 |

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



GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0935417 **Received** : 31 May 2024
Lab Number : 06196836 **Tested** : 03 Jun 2024
Unique Number : 11058959 **Diagnosed** : 04 Jun 2024 - Don Baldrige
Test Package : IND 2 (Additional Tests: KF)

LEPRINO FOODS - ALLENDALE
 4700 RICH STREET
 ALLENDALE, MI
 US 49401
 Contact: BILL FERRIER
 BFERRIER@LEPRINOFOODS.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)