

OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Area
COOKHOUSE [98676532]
 Machine Id
KR-GR-000239 (S/N COOKHOUSE 5 - 11525951)
 Component
Gearbox
 Fluid
GEAR OIL ISO 460 (--- GAL)

DIAGNOSIS

Recommendation
 Resample at the next service interval to monitor. (Customer Sample Comment: 98676532)

Wear
 All component wear rates are normal.

Contamination
 There is no indication of any contamination in the oil.

Fluid Condition
 The condition of the oil is acceptable for the time in service.

SAMPLE INFORMATION

| | method | limit/base | current | history1 | history2 |
|---------------|-------------|-------------|--------------------|----------|----------|
| Sample Number | Client Info | | PCA0088768 | --- | --- |
| Sample Date | Client Info | | 11 Jan 2024 | --- | --- |
| Machine Age | hrs | Client Info | 0 | --- | --- |
| Oil Age | hrs | Client Info | 0 | --- | --- |
| Oil Changed | Client Info | | N/A | --- | --- |
| Sample Status | | | NORMAL | --- | --- |

CONTAMINATION

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

WEAR METALS

| | method | limit/base | current | history1 | history2 |
|----------|--------|------------------|--------------|----------|----------|
| Iron | ppm | ASTM D5185m >200 | 4 | --- | --- |
| Chromium | ppm | ASTM D5185m >15 | <1 | --- | --- |
| Nickel | ppm | ASTM D5185m >15 | 0 | --- | --- |
| Titanium | ppm | ASTM D5185m | 0 | --- | --- |
| Silver | ppm | ASTM D5185m | 0 | --- | --- |
| Aluminum | ppm | ASTM D5185m >25 | 2 | --- | --- |
| Lead | ppm | ASTM D5185m >100 | 0 | --- | --- |
| Copper | ppm | ASTM D5185m >200 | <1 | --- | --- |
| Tin | ppm | ASTM D5185m >25 | 0 | --- | --- |
| Vanadium | ppm | ASTM D5185m | 0 | --- | --- |
| Cadmium | ppm | ASTM D5185m | 0 | --- | --- |

ADDITIVES

| | method | limit/base | current | history1 | history2 |
|------------|--------|-------------------|------------|----------|----------|
| Boron | ppm | ASTM D5185m 50 | 2 | --- | --- |
| Barium | ppm | ASTM D5185m 15 | 0 | --- | --- |
| Molybdenum | ppm | ASTM D5185m 15 | 4 | --- | --- |
| Manganese | ppm | ASTM D5185m | 0 | --- | --- |
| Magnesium | ppm | ASTM D5185m 50 | 0 | --- | --- |
| Calcium | ppm | ASTM D5185m 50 | 4 | --- | --- |
| Phosphorus | ppm | ASTM D5185m 350 | 407 | --- | --- |
| Zinc | ppm | ASTM D5185m 100 | 0 | --- | --- |
| Sulfur | ppm | ASTM D5185m 12500 | 819 | --- | --- |

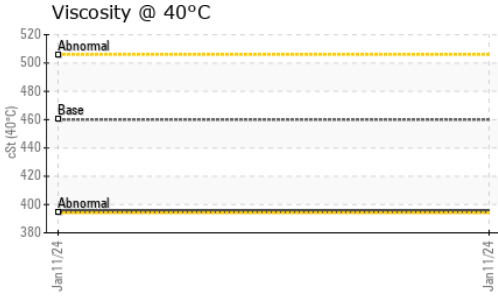
CONTAMINANTS

| | method | limit/base | current | history1 | history2 |
|-----------|--------|-----------------|--------------|----------|----------|
| Silicon | ppm | ASTM D5185m >50 | 4 | --- | --- |
| Sodium | ppm | ASTM D5185m | 0 | --- | --- |
| Potassium | ppm | ASTM D5185m >20 | <1 | --- | --- |

VISUAL

| | 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 | --- | --- |

OIL ANALYSIS REPORT



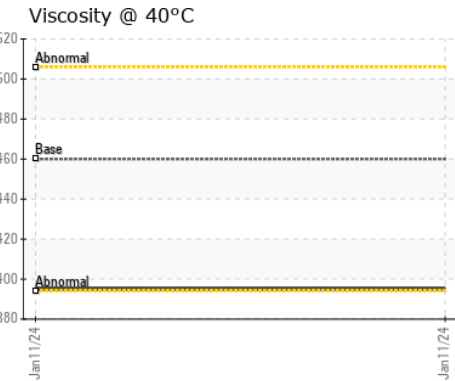
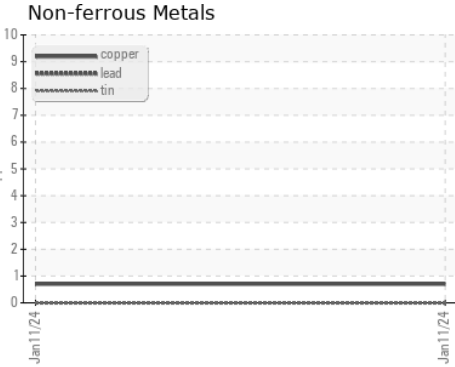
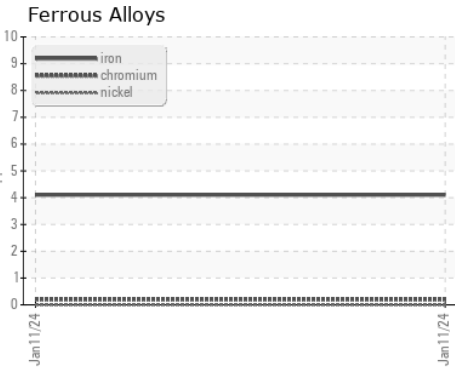
FLUID PROPERTIES

| method | limit/base | current | history1 | history2 | |
|-------------|---------------|---------|------------|----------|-----|
| Visc @ 40°C | cSt ASTM D445 | 460 | 395 | --- | --- |

SAMPLE IMAGES

| method | limit/base | current | history1 | history2 |
|--------|------------|---------|----------|----------|
| Color | | | no image | no image |
| Bottom | | | no image | no image |

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0088768 **Received** : 19 Jan 2024
Lab Number : 06066040 **Diagnosed** : 23 Jan 2024
Unique Number : 10842717 **Diagnostician** : Don Baldrige
Test Package : IND 1

KraftHeinz - Kirksville - Plant 8333 PCA
 2504 INDUSTRIAL DR
 KIRKSVILLE, MO
 US 63501
 Contact: Wilberto Pacheco Garcia
 Wilberto.PachecoGarcia@kraftheinz.com
 T:
 F: (660)627-5887

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)