

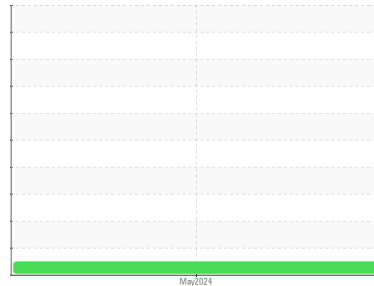


OIL ANALYSIS REPORT



Area
[146479]
 Machine Id
LINK-BELT TCC-800 U1L2-7108
 Component
Front Winch
 Fluid
GEAR OIL ISO 150 (--- GAL)

Sample Rating Trend



NORMAL



DIAGNOSIS

Recommendation
 Resample at the next service interval to monitor.

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 | LBC0000108 | --- | --- |
| Sample Date | Client Info | 28 May 2024 | --- | --- |
| Machine Age | hrs Client Info | 297 | --- | --- |
| Oil Age | hrs Client Info | 0 | --- | --- |
| Oil Changed | Client Info | Not Chngd | --- | --- |
| 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 >150 | <1 | --- | --- |
| Chromium | ppm ASTM D5185m >10 | 0 | --- | --- |
| Nickel | ppm ASTM D5185m >10 | 0 | --- | --- |
| Titanium | ppm ASTM D5185m | 0 | --- | --- |
| Silver | ppm ASTM D5185m | 0 | --- | --- |
| Aluminum | ppm ASTM D5185m >5 | 0 | --- | --- |
| Lead | ppm ASTM D5185m >15 | <1 | --- | --- |
| Copper | ppm ASTM D5185m >80 | 2 | --- | --- |
| Tin | ppm ASTM D5185m | 0 | --- | --- |
| Vanadium | ppm ASTM D5185m | 0 | --- | --- |
| Cadmium | ppm ASTM D5185m | 0 | --- | --- |

ADDITIVES

| method | limit/base | current | history1 | history2 |
|------------|-----------------------|--------------|----------|----------|
| Boron | ppm ASTM D5185m 50 | 146 | --- | --- |
| Barium | ppm ASTM D5185m 15 | 8 | --- | --- |
| Molybdenum | ppm ASTM D5185m 15 | 0 | --- | --- |
| Manganese | ppm ASTM D5185m | <1 | --- | --- |
| Magnesium | ppm ASTM D5185m 50 | 0 | --- | --- |
| Calcium | ppm ASTM D5185m 50 | 1 | --- | --- |
| Phosphorus | ppm ASTM D5185m 350 | 505 | --- | --- |
| Zinc | ppm ASTM D5185m 100 | 0 | --- | --- |
| Sulfur | ppm ASTM D5185m 12500 | 11208 | --- | --- |

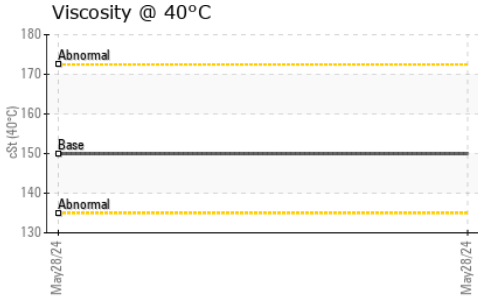
CONTAMINANTS

| method | limit/base | current | history1 | history2 |
|-----------|---------------------|----------|----------|----------|
| Silicon | ppm ASTM D5185m >25 | 4 | --- | --- |
| Sodium | ppm ASTM D5185m | 2 | --- | --- |
| Potassium | ppm ASTM D5185m >20 | 0 | --- | --- |

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

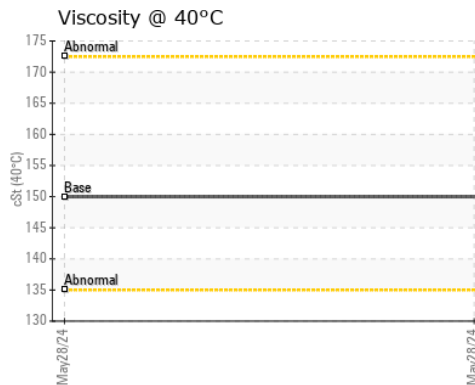
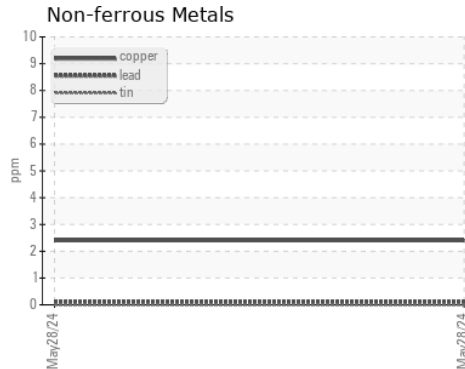
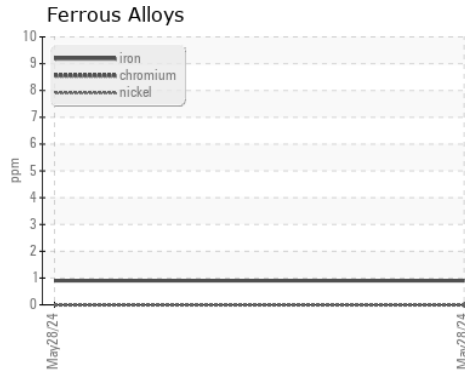


| FLUID PROPERTIES | method | limit/base | current | history1 | history2 |
|------------------|--------|---------------|---------|----------|----------|
| Visc @ 40°C | cSt | ASTM D445 150 | 150 | --- | --- |

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

| | | | | | | |
|--------|--|--|--|----------|----------|----------|
| Color | | | | no image | no image | no image |
| Bottom | | | | no image | no image | no image |

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LBC0000108
Lab Number : 06197094
Unique Number : 11059217
Test Package : CONST

Received : 31 May 2024
Tested : 03 Jun 2024
Diagnosed : 04 Jun 2024 - Don Baldrige

Columbus Equipment Co. - P103900
 2329 Performance Way
 Columbus, OH
 US 43207
 Contact: JASON LANG
 jasonl@columbusequipment.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: