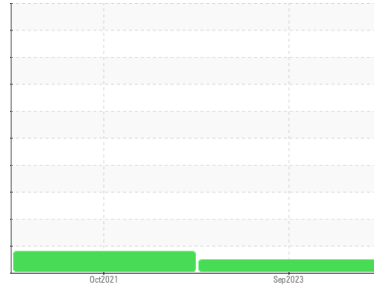




OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Machine Id
E-177
 Component
Swing Drive
 Fluid
PHILLIPS 80W90 (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.
 Please note that this is a corrected copy.

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 | | WC0828535 | WC0606893 | --- |
| Sample Date | Client Info | | 28 Sep 2023 | 18 Oct 2021 | --- |
| Machine Age | hrs | Client Info | 2872 | 0 | --- |
| Oil Age | hrs | Client Info | 571 | 0 | --- |
| Oil Changed | Client Info | | Changed | N/A | --- |
| Sample Status | | | NORMAL | ABNORMAL | --- |

WEAR METALS

| | method | limit/base | current | history1 | history2 |
|----------|--------|------------------|--------------|----------|----------|
| Iron | ppm | ASTM D5185m >400 | 42 | ▲ 517 | --- |
| Chromium | ppm | ASTM D5185m >10 | <1 | 4 | --- |
| Nickel | ppm | ASTM D5185m >10 | 0 | 0 | --- |
| Titanium | ppm | ASTM D5185m | 0 | <1 | --- |
| Silver | ppm | ASTM D5185m | 0 | 0 | --- |
| Aluminum | ppm | ASTM D5185m >25 | <1 | 10 | --- |
| Lead | ppm | ASTM D5185m >50 | 0 | 0 | --- |
| Copper | ppm | ASTM D5185m >200 | 0 | 1 | --- |
| Tin | ppm | ASTM D5185m >10 | 0 | 0 | --- |
| Antimony | ppm | ASTM D5185m >5 | --- | 0 | --- |
| Vanadium | ppm | ASTM D5185m | 0 | <1 | --- |
| Cadmium | ppm | ASTM D5185m | 0 | 0 | --- |

ADDITIVES

| | method | limit/base | current | history1 | history2 |
|------------|--------|-------------|--------------|----------|----------|
| Boron | ppm | ASTM D5185m | 28 | 148 | --- |
| Barium | ppm | ASTM D5185m | 0 | 0 | --- |
| Molybdenum | ppm | ASTM D5185m | 0 | <1 | --- |
| Manganese | ppm | ASTM D5185m | 1 | 4 | --- |
| Magnesium | ppm | ASTM D5185m | 3 | <1 | --- |
| Calcium | ppm | ASTM D5185m | 11 | 13 | --- |
| Phosphorus | ppm | ASTM D5185m | 1257 | 882 | --- |
| Zinc | ppm | ASTM D5185m | 0 | 20 | --- |
| Sulfur | ppm | ASTM D5185m | 20070 | 17475 | --- |

CONTAMINANTS

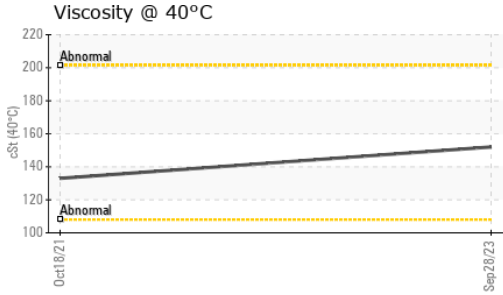
| | method | limit/base | current | history1 | history2 |
|-----------|--------|-----------------|----------|----------|----------|
| Silicon | ppm | ASTM D5185m >50 | 9 | 39 | --- |
| Sodium | ppm | ASTM D5185m | 2 | 3 | --- |
| Potassium | ppm | ASTM D5185m >20 | 0 | 1 | --- |

VISUAL

| | method | limit/base | current | history1 | history2 |
|------------------|--------|---------------|--------------|----------|----------|
| White Metal | scalar | *Visual NONE | NONE | VLITE | --- |
| Yellow Metal | scalar | *Visual NONE | NONE | NONE | --- |
| Precipitate | scalar | *Visual NONE | NONE | NONE | --- |
| Silt | scalar | *Visual NONE | NONE | NONE | --- |
| Debris | scalar | *Visual NONE | NONE | VLITE | --- |
| 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 | --- |



OIL ANALYSIS REPORT



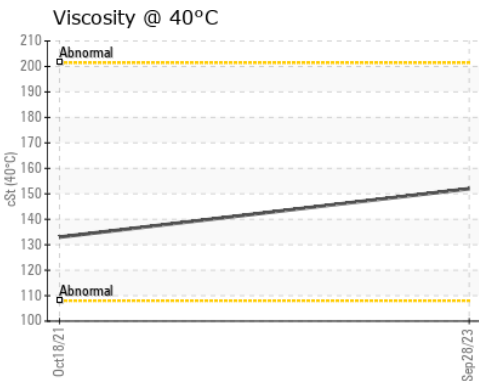
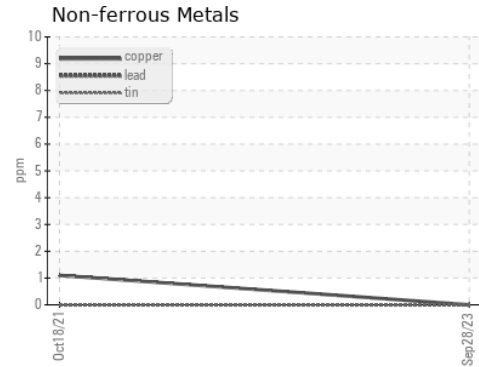
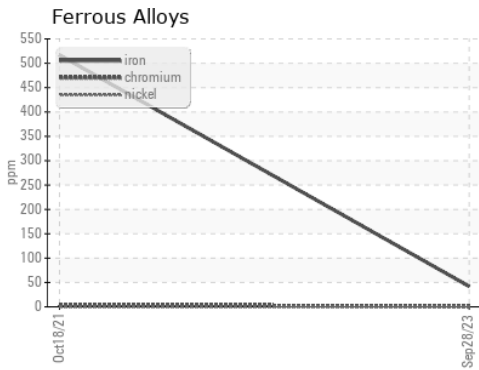
| FLUID PROPERTIES | method | limit/base | current | history1 | history2 |
|------------------|--------|------------|---------|----------|----------|
|------------------|--------|------------|---------|----------|----------|

| | | | | | |
|-------------|-----|-----------|------------|-----|-----|
| Visc @ 40°C | cSt | ASTM D445 | 152 | 133 | --- |
|-------------|-----|-----------|------------|-----|-----|

| 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. : WC0828535 **Received** : 02 Oct 2023
Lab Number : 05966724 **Diagnosed** : 24 Oct 2023
Unique Number : 10673275 **Diagnostician** : Angela Borella
Test Package : CONST

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)

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 US 27603

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 T: (919)760-7797

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