

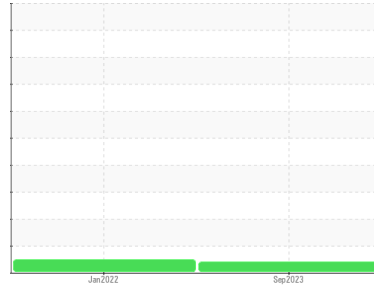


PROBLEM SUMMARY



Area
OKLAHOMA/102
 Machine Id
45.63L [OKLAHOMA^102]
 Component
Rear Differential
 Fluid
MOBIL MOBILFLUID 424 (5 GAL)

Sample Rating Trend



VIS DEBRIS



COMPONENT CONDITION SUMMARY

No relevant graphs to display

RECOMMENDATION

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

PROBLEMATIC TEST RESULTS

| Sample Status | | | | ABNORMAL | NORMAL | --- |
|---------------|--------|---------|------|----------|--------|-----|
| Debris | scalar | *Visual | NONE | ▲ MODER | LIGHT | --- |

Customer Id: SHEWIC
 Sample No.: WC0848880
 Lab Number: 05958831
 Test Package: CONST



To manage this report scan the QR code

To discuss the diagnosis or test data:
 Don Baldrige +1
don.b505@comcast.net

To change component or sample information:
 Customer Service +1 1-800-237-1369
customerservice@wearcheck.com

RECOMMENDED ACTIONS

| Action | Status | Date | Done By | Description |
|-------------------------|--------|-------------|---------|------------------------|
| Other Action (see Note) | DONE | Sep 25 2023 | ? | No recommended actions |

HISTORICAL DIAGNOSIS

14 Jan 2022 Diag: Jonathan Hester

NORMAL



Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

view report





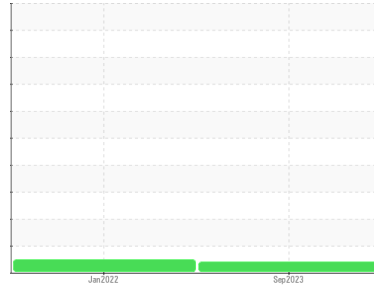
OIL ANALYSIS REPORT

Sample Rating Trend

VIS DEBRIS



Area
OKLAHOMA/102
Machine Id
45.63L [OKLAHOMA^102]
Component
Rear Differential
Fluid
MOBIL MOBILFLUID 424 (5 GAL)



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

Moderate concentration of visible dirt/debris present in the oil.

Fluid Condition

Confirm oil type. The condition of the oil is acceptable for the time in service.

SAMPLE INFORMATION

| | method | limit/base | current | history1 | history2 |
|---------------|-------------|-------------|--------------------|-------------|----------|
| Sample Number | Client Info | | WC0848880 | WC0584642 | --- |
| Sample Date | Client Info | | 09 Sep 2023 | 14 Jan 2022 | --- |
| Machine Age | hrs | Client Info | 1430 | 11 | --- |
| Oil Age | hrs | Client Info | 500 | 0 | --- |
| Oil Changed | Client Info | | Not Chngd | Not Chngd | --- |
| Sample Status | | | ABNORMAL | NORMAL | --- |

WEAR METALS

| | method | limit/base | current | history1 | history2 |
|----------|--------|------------------|--------------|----------|----------|
| Iron | ppm | ASTM D5185m >500 | 241 | 17 | --- |
| Chromium | ppm | ASTM D5185m >3 | 5 | <1 | --- |
| Nickel | ppm | ASTM D5185m >3 | <1 | 0 | --- |
| Titanium | ppm | ASTM D5185m >2 | 0 | 0 | --- |
| Silver | ppm | ASTM D5185m >2 | 0 | 0 | --- |
| Aluminum | ppm | ASTM D5185m >30 | <1 | 2 | --- |
| Lead | ppm | ASTM D5185m >13 | 0 | 0 | --- |
| Copper | ppm | ASTM D5185m >103 | 5 | <1 | --- |
| Tin | ppm | ASTM D5185m >5 | 0 | 0 | --- |
| Antimony | ppm | ASTM D5185m >5 | --- | 0 | --- |
| Vanadium | ppm | ASTM D5185m | 0 | 0 | --- |
| Cadmium | ppm | ASTM D5185m | 0 | 0 | --- |

ADDITIVES

| | method | limit/base | current | history1 | history2 |
|------------|--------|-------------|--------------|----------|----------|
| Boron | ppm | ASTM D5185m | 2 | 4 | --- |
| Barium | ppm | ASTM D5185m | 0 | 3 | --- |
| Molybdenum | ppm | ASTM D5185m | 19 | 3 | --- |
| Manganese | ppm | ASTM D5185m | 8 | 4 | --- |
| Magnesium | ppm | ASTM D5185m | 2 | 19 | --- |
| Calcium | ppm | ASTM D5185m | 41 | 64 | --- |
| Phosphorus | ppm | ASTM D5185m | 2011 | 2068 | --- |
| Zinc | ppm | ASTM D5185m | 73 | 58 | --- |
| Sulfur | ppm | ASTM D5185m | 29632 | 23343 | --- |

CONTAMINANTS

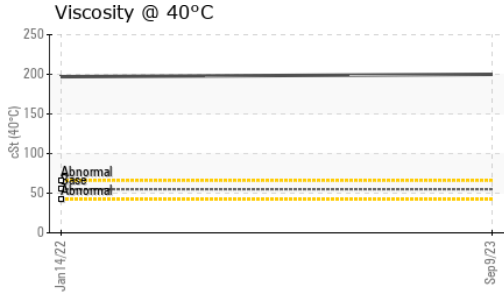
| | method | limit/base | current | history1 | history2 |
|-----------|--------|------------------|-----------|----------|----------|
| Silicon | ppm | ASTM D5185m >100 | 23 | 16 | --- |
| Sodium | ppm | ASTM D5185m | 8 | 2 | --- |
| Potassium | ppm | ASTM D5185m >20 | 2 | <1 | --- |

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 | NONE | NONE | --- |
| Debris | scalar | *Visual NONE | ▲ MODER | LIGHT | --- |
| Sand/Dirt | scalar | *Visual NONE | NONE | NONE | --- |
| Appearance | scalar | *Visual NORML | NORML | NORML | --- |
| Odor | scalar | *Visual NORML | NORML | NORML | --- |
| Emulsified Water | scalar | *Visual >.2 | NEG | NEG | --- |
| Free Water | scalar | *Visual | NEG | NEG | --- |



OIL ANALYSIS REPORT



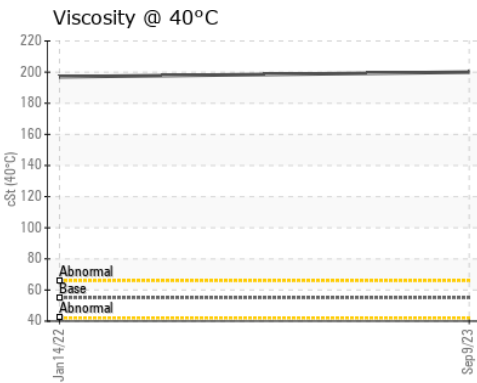
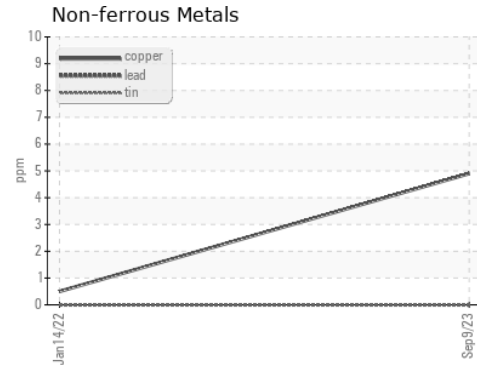
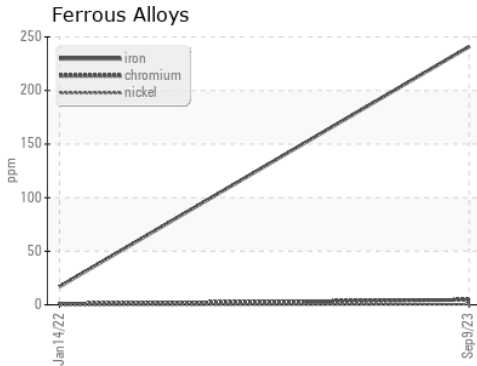
| FLUID PROPERTIES | method | limit/base | current | history1 | history2 |
|------------------|--------|------------|---------|----------|----------|
|------------------|--------|------------|---------|----------|----------|

| | | | | | |
|-------------|-----|--------------|------------|-----|-----|
| Visc @ 40°C | cSt | ASTM D445 55 | 200 | 197 | --- |
|-------------|-----|--------------|------------|-----|-----|

| 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. : WC0848880 **Received** : 22 Sep 2023
Lab Number : 05958831 **Diagnosed** : 24 Sep 2023
Unique Number : 10660044 **Diagnostician** : Don Baldrige
Test Package : CONST

SHERWOOD CONSTRUCTION CO INC
 3219 WEST MAY ST
 WICHITA, KS
 US 67213
 Contact: SHAWN SOUTH
 shawn.south@sherwood.net

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: x:

F: x: