

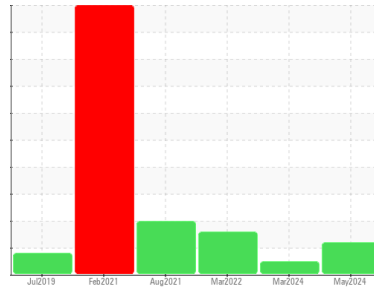


OIL ANALYSIS REPORT



Area
OKLAHOMA/102/EG - SKID STEER
 Machine Id
53.138L [OKLAHOMA^102^EG - SKID STEER]
 Component
Right Final Drive
 Fluid
Mobil 1 Synthetic Gear Lubricant LS 75W-140 (--- GAL)

Sample Rating Trend



ADDITIVES



DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. (Customer Sample Comment: 4913 hours)

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

Additive levels indicate the addition of a different brand, or type of oil. The condition of the oil is acceptable for the time in service.

SAMPLE INFORMATION

| | method | limit/base | current | history1 | history2 |
|---------------|-------------|-------------|--------------------|-------------|-------------|
| Sample Number | Client Info | | WC0901320 | WC0864252 | WC0678853 |
| Sample Date | Client Info | | 21 May 2024 | 12 Mar 2024 | 15 Mar 2022 |
| Machine Age | hrs | Client Info | 4913 | 4864 | 3345 |
| Oil Age | hrs | Client Info | 3345 | 1457 | 475 |
| Oil Changed | Client Info | | N/A | N/A | Changed |
| Sample Status | | | ATTENTION | NORMAL | ABNORMAL |

CONTAMINATION

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

WEAR METALS

| | method | limit/base | current | history1 | history2 |
|----------|--------|------------------|--------------|----------|----------|
| Iron | ppm | ASTM D5185m >800 | 185 | 431 | ▲ 1204 |
| Chromium | ppm | ASTM D5185m >10 | 3 | 6 | ▲ 15 |
| Nickel | ppm | ASTM D5185m >5 | 0 | 1 | <1 |
| Titanium | ppm | ASTM D5185m >15 | <1 | 1 | <1 |
| Silver | ppm | ASTM D5185m >2 | 0 | 0 | <1 |
| Aluminum | ppm | ASTM D5185m >75 | 4 | 7 | 11 |
| Lead | ppm | ASTM D5185m >10 | 0 | <1 | 0 |
| Copper | ppm | ASTM D5185m >75 | 1 | 3 | 6 |
| Tin | ppm | ASTM D5185m >8 | 0 | <1 | <1 |
| Antimony | ppm | ASTM D5185m >50 | --- | --- | --- |
| Vanadium | ppm | ASTM D5185m | 0 | <1 | 0 |
| Cadmium | ppm | ASTM D5185m | 0 | <1 | 0 |

ADDITIVES

| | method | limit/base | current | history1 | history2 |
|------------|--------|-------------|----------------|----------|----------|
| Boron | ppm | ASTM D5185m | 38 | 40 | 27 |
| Barium | ppm | ASTM D5185m | 0 | 1 | 0 |
| Molybdenum | ppm | ASTM D5185m | 1 | 1 | 1 |
| Manganese | ppm | ASTM D5185m | 2 | 4 | 11 |
| Magnesium | ppm | ASTM D5185m | 29 | 3 | 3 |
| Calcium | ppm | ASTM D5185m | ● 2384 | 90 | 11 |
| Phosphorus | ppm | ASTM D5185m | 921 | 468 | 467 |
| Zinc | ppm | ASTM D5185m | ● 970 | 26 | 6 |
| Sulfur | ppm | ASTM D5185m | ● 10339 | 17282 | 15521 |

CONTAMINANTS

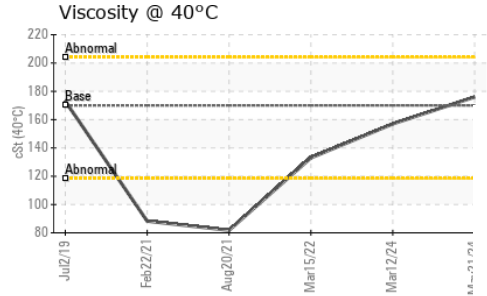
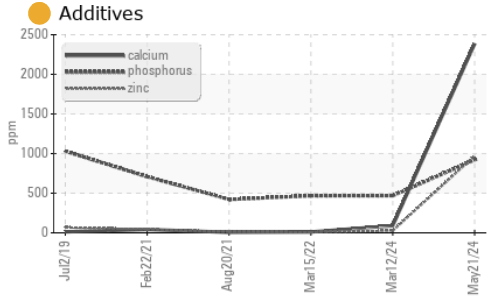
| | method | limit/base | current | history1 | history2 |
|-----------|--------|------------------|--------------|----------|----------|
| Silicon | ppm | ASTM D5185m >400 | 30 | 45 | 45 |
| Sodium | ppm | ASTM D5185m | <1 | 0 | 2 |
| Potassium | ppm | ASTM D5185m >20 | 0 | 4 | 3 |

VISUAL

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



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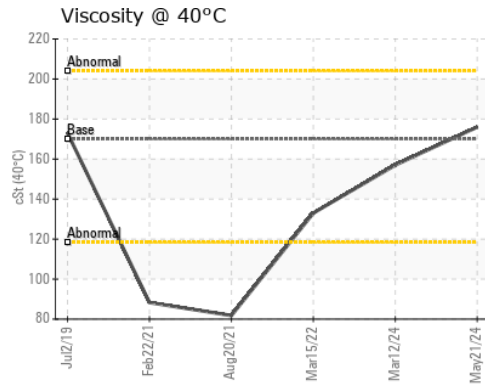
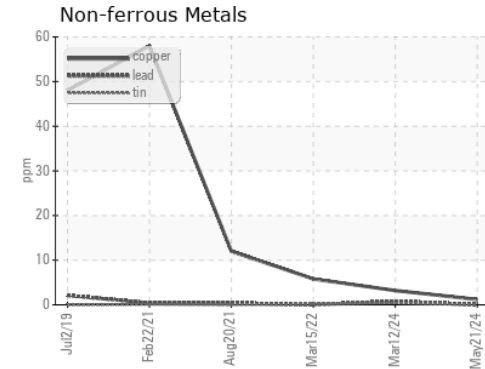
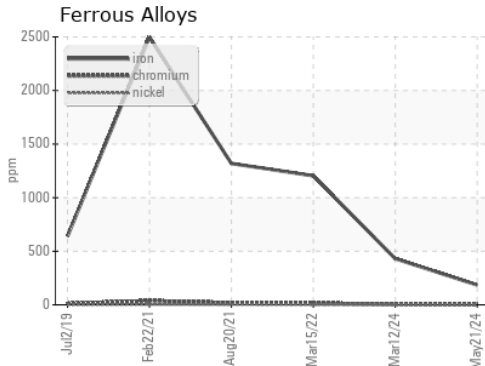


| FLUID PROPERTIES | method | limit/base | current | history1 | history2 |
|------------------|--------|------------|---------|----------|----------|
| Visc @ 40°C | cSt | ASTM D445 | 176 | 157 | 133 |

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

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

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0901320 **Received** : 07 Jun 2024
Lab Number : 06203690 **Tested** : 10 Jun 2024
Unique Number : 11071151 **Diagnosed** : 12 Jun 2024 - Jonathan Hester
Test Package : CONST

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 US 67213
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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)