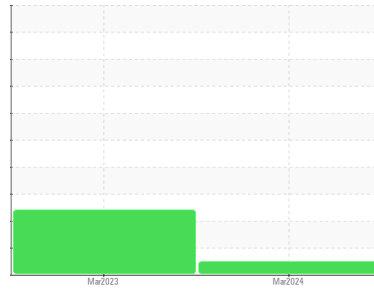




# OIL ANALYSIS REPORT

## Sample Rating Trend



**NORMAL**



Machine Id  
**442201 - FREIGHTLINER TACK TRUCK**  
 Component  
**Hydraulic System**  
 Fluid  
**MOBIL MOBILFLUID 424 (--- GAL)**

### 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 fluid.

#### Fluid Condition

The condition of the fluid is acceptable for the time in service.

| SAMPLE INFORMATION |             | method      | limit/base | current            | history1    | history2 |
|--------------------|-------------|-------------|------------|--------------------|-------------|----------|
| Sample Number      | Client Info |             |            | <b>SBP0006415</b>  | SBP0003709  | ---      |
| Sample Date        | Client Info |             |            | <b>25 Mar 2024</b> | 17 Mar 2023 | ---      |
| Machine Age        | hrs         | Client Info |            | <b>2532</b>        | 1020        | ---      |
| Oil Age            | hrs         | Client Info |            | <b>1512</b>        | 1020        | ---      |
| Oil Changed        | Client Info |             |            | <b>Changed</b>     | Not Changd  | ---      |
| Sample Status      |             |             |            | <b>NORMAL</b>      | ATTENTION   | ---      |

| CONTAMINATION |           | method | limit/base | current    | history1 | history2 |
|---------------|-----------|--------|------------|------------|----------|----------|
| Water         | WC Method |        | >0.1       | <b>NEG</b> | NEG      | ---      |

| WEAR METALS |     | method      | limit/base | current      | history1 | history2 |
|-------------|-----|-------------|------------|--------------|----------|----------|
| Iron        | ppm | ASTM D5185m | >20        | <b>6</b>     | 2        | ---      |
| Chromium    | ppm | ASTM D5185m | >10        | <b>&lt;1</b> | 0        | ---      |
| Nickel      | ppm | ASTM D5185m | >10        | <b>0</b>     | 0        | ---      |
| Titanium    | ppm | ASTM D5185m |            | <b>0</b>     | 0        | ---      |
| Silver      | ppm | ASTM D5185m |            | <b>0</b>     | 0        | ---      |
| Aluminum    | ppm | ASTM D5185m | >10        | <b>0</b>     | <1       | ---      |
| Lead        | ppm | ASTM D5185m | >10        | <b>0</b>     | 0        | ---      |
| Copper      | ppm | ASTM D5185m | >75        | <b>&lt;1</b> | 5        | ---      |
| Tin         | ppm | ASTM D5185m | >10        | <b>0</b>     | 0        | ---      |
| Vanadium    | ppm | ASTM D5185m |            | <b>0</b>     | 0        | ---      |
| Cadmium     | ppm | ASTM D5185m |            | <b>0</b>     | 0        | ---      |

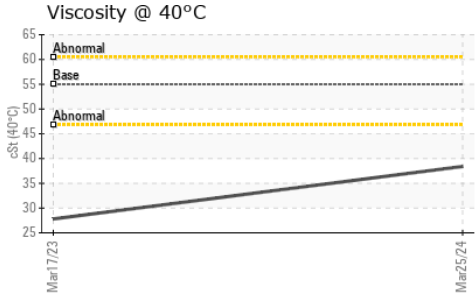
| ADDITIVES  |     | method      | limit/base | current      | history1 | history2 |
|------------|-----|-------------|------------|--------------|----------|----------|
| Boron      | ppm | ASTM D5185m |            | <b>0</b>     | 0        | ---      |
| Barium     | ppm | ASTM D5185m |            | <b>0</b>     | 0        | ---      |
| Molybdenum | ppm | ASTM D5185m |            | <b>0</b>     | <1       | ---      |
| Manganese  | ppm | ASTM D5185m |            | <b>&lt;1</b> | <1       | ---      |
| Magnesium  | ppm | ASTM D5185m |            | <b>0</b>     | 0        | ---      |
| Calcium    | ppm | ASTM D5185m |            | <b>62</b>    | 42       | ---      |
| Phosphorus | ppm | ASTM D5185m |            | <b>523</b>   | 336      | ---      |
| Zinc       | ppm | ASTM D5185m |            | <b>127</b>   | 423      | ---      |
| Sulfur     | ppm | ASTM D5185m |            | <b>1496</b>  | 979      | ---      |

| CONTAMINANTS |     | method      | limit/base | current      | history1 | history2 |
|--------------|-----|-------------|------------|--------------|----------|----------|
| Silicon      | ppm | ASTM D5185m | >20        | <b>1</b>     | 2        | ---      |
| Sodium       | ppm | ASTM D5185m |            | <b>&lt;1</b> | 1        | ---      |
| Potassium    | ppm | ASTM D5185m | >20        | <b>0</b>     | 0        | ---      |

| VISUAL           |        | method  | limit/base | current      | history1 | history2 |
|------------------|--------|---------|------------|--------------|----------|----------|
| White Metal      | scalar | *Visual | NONE       | <b>NONE</b>  | NONE     | ---      |
| Yellow Metal     | scalar | *Visual | NONE       | <b>NONE</b>  | NONE     | ---      |
| Precipitate      | scalar | *Visual | NONE       | <b>NONE</b>  | NONE     | ---      |
| Silt             | scalar | *Visual | NONE       | <b>NONE</b>  | NONE     | ---      |
| Debris           | scalar | *Visual | NONE       | <b>NONE</b>  | NONE     | ---      |
| Sand/Dirt        | scalar | *Visual | NONE       | <b>NONE</b>  | NONE     | ---      |
| Appearance       | scalar | *Visual | NORML      | <b>NORML</b> | NORML    | ---      |
| Odor             | scalar | *Visual | NORML      | <b>NORML</b> | NORML    | ---      |
| Emulsified Water | scalar | *Visual | >0.1       | <b>NEG</b>   | NEG      | ---      |
| Free Water       | scalar | *Visual |            | <b>NEG</b>   | NEG      | ---      |



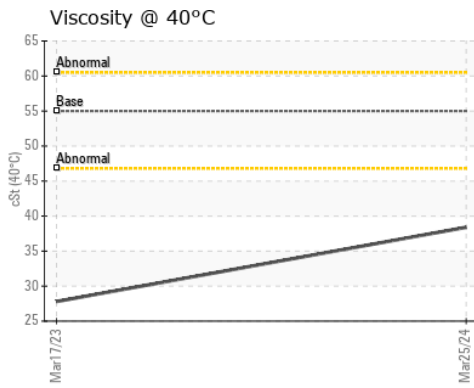
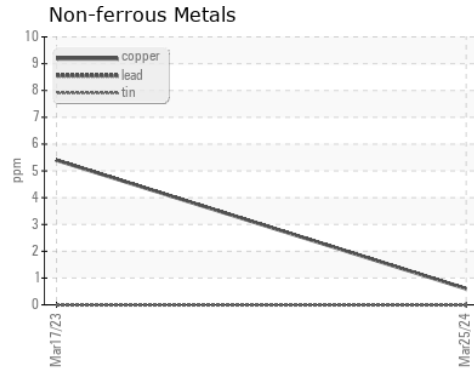
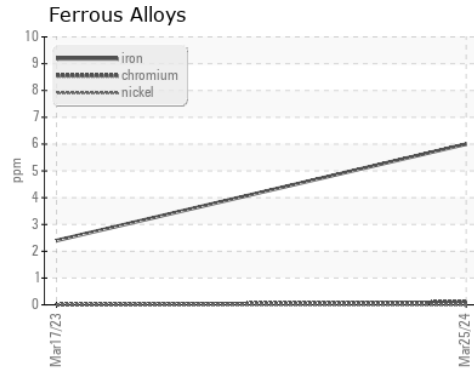
# OIL ANALYSIS REPORT



| FLUID PROPERTIES | method | limit/base   | current | history1 | history2 |
|------------------|--------|--------------|---------|----------|----------|
| Visc @ 40°C      | cSt    | ASTM D445 55 | 38.4    | ● 27.8   | ---      |

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

## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : SBP0006415      **Received** : 01 Apr 2024  
**Lab Number** : 06135918      **Tested** : 08 Apr 2024  
**Unique Number** : 10955383      **Diagnosed** : 08 Apr 2024 - Jonathan Hester  
**Test Package** : FLEET

**Constructors Inc. - 603659**  
 1815 Y Street  
 Lincoln, NE  
 US 68508  
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 LorenM@constructorslincoln.com  
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 F:

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)