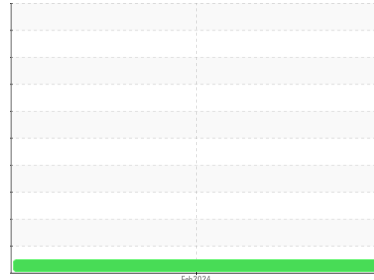




# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Machine Id  
**TOTE 27**  
 Component  
**New (Unused) Oil**  
 Fluid  
**{not provided} (--- GAL)**

## DIAGNOSIS

### Recommendation

This is a baseline read-out on the submitted sample.

### Fluid Condition

Viscosity of sample indicates oil is within 30W range.

| SAMPLE INFORMATION |             | method      | limit/base | current            | history1 | history2 |
|--------------------|-------------|-------------|------------|--------------------|----------|----------|
| Sample Number      | Client Info |             |            | <b>TLC0000424</b>  | ---      | ---      |
| Sample Date        | Client Info |             |            | <b>16 Feb 2024</b> | ---      | ---      |
| Machine Age        | hrs         | Client Info |            | <b>0</b>           | ---      | ---      |
| Oil Age            | hrs         | Client Info |            | <b>0</b>           | ---      | ---      |
| Oil Changed        | Client Info |             |            | <b>N/A</b>         | ---      | ---      |
| Sample Status      |             |             |            | <b>NORMAL</b>      | ---      | ---      |

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

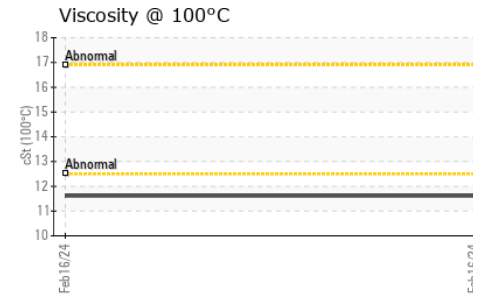
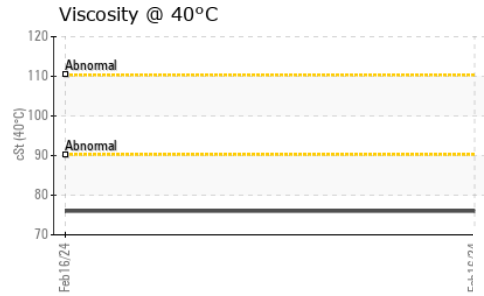
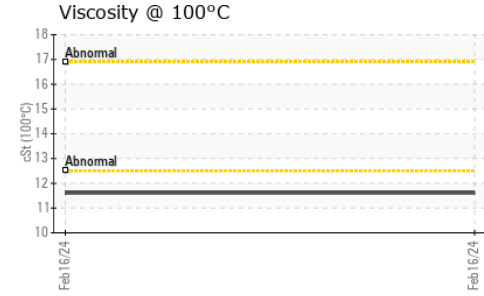
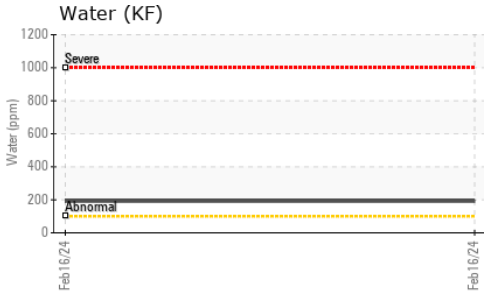
| ADDITIVES  |     | method      | limit/base | current     | history1 | history2 |
|------------|-----|-------------|------------|-------------|----------|----------|
| Boron      | ppm | ASTM D5185m |            | <b>100</b>  | ---      | ---      |
| Barium     | ppm | ASTM D5185m |            | <b>0</b>    | ---      | ---      |
| Molybdenum | ppm | ASTM D5185m |            | <b>15</b>   | ---      | ---      |
| Manganese  | ppm | ASTM D5185m |            | <b>0</b>    | ---      | ---      |
| Magnesium  | ppm | ASTM D5185m |            | <b>110</b>  | ---      | ---      |
| Calcium    | ppm | ASTM D5185m |            | <b>1685</b> | ---      | ---      |
| Phosphorus | ppm | ASTM D5185m |            | <b>805</b>  | ---      | ---      |
| Zinc       | ppm | ASTM D5185m |            | <b>879</b>  | ---      | ---      |
| Sulfur     | ppm | ASTM D5185m |            | <b>3392</b> | ---      | ---      |

| CONTAMINANTS |     | method      | limit/base | current      | history1 | history2 |
|--------------|-----|-------------|------------|--------------|----------|----------|
| Silicon      | ppm | ASTM D5185m | >15        | <b>4</b>     | ---      | ---      |
| Sodium       | ppm | ASTM D5185m |            | <b>2</b>     | ---      | ---      |
| Potassium    | ppm | ASTM D5185m | >20        | <b>3</b>     | ---      | ---      |
| Water        | %   | ASTM D6304  |            | <b>0.019</b> | ---      | ---      |
| ppm Water    | ppm | ASTM D6304  |            | <b>192</b>   | ---      | ---      |

| FLUID DEGRADATION |          | method     | limit/base | current     | history1 | history2 |
|-------------------|----------|------------|------------|-------------|----------|----------|
| Acid Number (AN)  | mg KOH/g | ASTM D8045 |            | <b>1.40</b> | ---      | ---      |



# OIL ANALYSIS REPORT



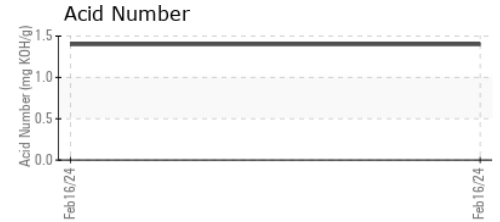
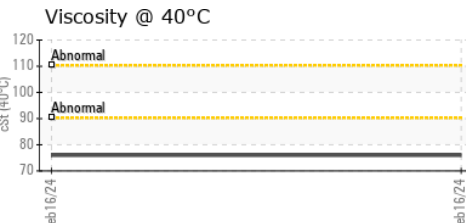
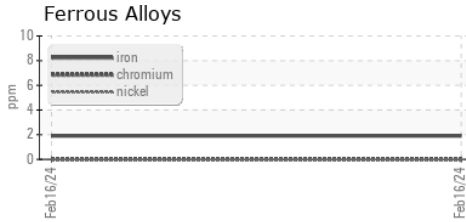
| VISUAL           | method | limit/base | current | history1     | history2 |
|------------------|--------|------------|---------|--------------|----------|
| White Metal      | scalar | *Visual    | NONE    | <b>NONE</b>  | ---      |
| Yellow Metal     | scalar | *Visual    | NONE    | <b>NONE</b>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

| FLUID PROPERTIES     | method | limit/base | current      | history1 | history2 |
|----------------------|--------|------------|--------------|----------|----------|
| Visc @ 40°C          | cSt    | ASTM D445  | <b>75.99</b> | ---      | ---      |
| Visc @ 100°C         | cSt    | ASTM D445  | <b>11.61</b> | ---      | ---      |
| Viscosity Index (VI) | Scale  | ASTM D2270 | <b>146</b>   | ---      | ---      |

## SAMPLE IMAGES

|        | method | limit/base | current | history1        | history2        |
|--------|--------|------------|---------|-----------------|-----------------|
| Color  |        |            |         | <i>no image</i> | <i>no image</i> |
| Bottom |        |            |         | <i>no image</i> | <i>no image</i> |

## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513

**Sample No.** : TLC0000424

**Lab Number** : 06099518

**Unique Number** : 10897748

**Test Package** : FLEET ( Additional Tests: FT-IR, ICP-NewOil, KF, KV100, PrtCount, VI )

**Received** : 23 Feb 2024

**Tested** : 28 Feb 2024

**Diagnosed** : 28 Feb 2024 - Doug Bogart

**SUPPLY PRO**

115 EMPIRE WAY

ATLANTA, GA

US 30354

Contact: MICHAEL JACKSON

mjackson@supplypro1.com

T: (470)991-1693

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)