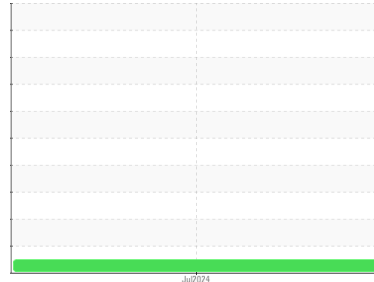




# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Machine Id  
**AW32 400KG FLUSH**  
 Component  
**Unknown Component**  
 Fluid  
**AW HYDRAULIC OIL ISO 32 (--- GAL)**

## DIAGNOSIS

### Recommendation

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

| SAMPLE INFORMATION |                 | method | limit/base | current            | history1 | history2 |
|--------------------|-----------------|--------|------------|--------------------|----------|----------|
| Sample Number      | Client Info     |        |            | <b>PP</b>          | ---      | ---      |
| Sample Date        | Client Info     |        |            | <b>04 Jul 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 D5185(m) |            | <b>0</b>     | ---      | ---      |
| Chromium    | ppm | ASTM D5185(m) |            | <b>0</b>     | ---      | ---      |
| Nickel      | ppm | ASTM D5185(m) |            | <b>&lt;1</b> | ---      | ---      |
| Titanium    | ppm | ASTM D5185(m) |            | <b>0</b>     | ---      | ---      |
| Silver      | ppm | ASTM D5185(m) |            | <b>&lt;1</b> | ---      | ---      |
| Aluminum    | ppm | ASTM D5185(m) |            | <b>0</b>     | ---      | ---      |
| Lead        | ppm | ASTM D5185(m) |            | <b>0</b>     | ---      | ---      |
| Copper      | ppm | ASTM D5185(m) |            | <b>&lt;1</b> | ---      | ---      |
| Tin         | ppm | ASTM D5185(m) |            | <b>0</b>     | ---      | ---      |
| Antimony    | ppm | ASTM D5185(m) |            | <b>0</b>     | ---      | ---      |
| Vanadium    | ppm | ASTM D5185(m) |            | <b>0</b>     | ---      | ---      |
| Beryllium   | ppm | ASTM D5185(m) |            | <b>0</b>     | ---      | ---      |
| Cadmium     | ppm | ASTM D5185(m) |            | <b>0</b>     | ---      | ---      |

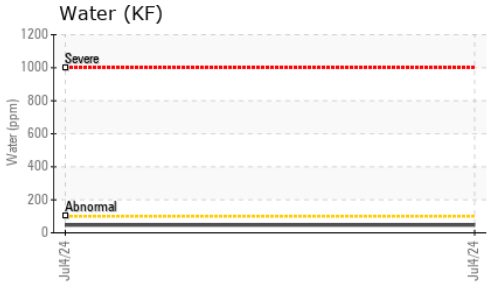
| ADDITIVES  |     | method        | limit/base | current      | history1 | history2 |
|------------|-----|---------------|------------|--------------|----------|----------|
| Boron      | ppm | ASTM D5185(m) | 5          | <b>&lt;1</b> | ---      | ---      |
| Barium     | ppm | ASTM D5185(m) | 5          | <b>0</b>     | ---      | ---      |
| Molybdenum | ppm | ASTM D5185(m) | 5          | <b>0</b>     | ---      | ---      |
| Manganese  | ppm | ASTM D5185(m) |            | <b>0</b>     | ---      | ---      |
| Magnesium  | ppm | ASTM D5185(m) | 25         | <b>1</b>     | ---      | ---      |
| Calcium    | ppm | ASTM D5185(m) | 200        | <b>54</b>    | ---      | ---      |
| Phosphorus | ppm | ASTM D5185(m) | 300        | <b>330</b>   | ---      | ---      |
| Zinc       | ppm | ASTM D5185(m) | 370        | <b>421</b>   | ---      | ---      |
| Sulfur     | ppm | ASTM D5185(m) | 2500       | <b>745</b>   | ---      | ---      |
| Lithium    | ppm | ASTM D5185(m) |            | <b>&lt;1</b> | ---      | ---      |

| CONTAMINANTS |     | method        | limit/base | current      | history1 | history2 |
|--------------|-----|---------------|------------|--------------|----------|----------|
| Silicon      | ppm | ASTM D5185(m) |            | <b>3</b>     | ---      | ---      |
| Sodium       | ppm | ASTM D5185(m) |            | <b>0</b>     | ---      | ---      |
| Potassium    | ppm | ASTM D5185(m) | >20        | <b>0</b>     | ---      | ---      |
| Water        | %   | ASTM D6304*   |            | <b>0.004</b> | ---      | ---      |
| ppm Water    | ppm | ASTM D6304*   |            | <b>47</b>    | ---      | ---      |

| 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>NONE</b>  | ---      | ---      |
| Sand/Dirt    | scalar | Visual* | NONE       | <b>NONE</b>  | ---      | ---      |
| Appearance   | scalar | Visual* | NORML      | <b>NORML</b> | ---      | ---      |
| Odor         | scalar | Visual* | NORML      | <b>NORML</b> | ---      | ---      |



# OIL ANALYSIS REPORT



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

## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : PP  
**Lab Number** : 02646007  
**Unique Number** : 5811559  
**Test Package** : TEST ( Additional Tests: ICP, KF )  
**Received** : 05 Jul 2024  
**Tested** : 08 Jul 2024  
**Diagnosed** : 08 Jul 2024 - Kevin Marson

**FORSYTHE LUBRICATION**  
 120 CHATHAM ST.  
 HAMILTON, ON  
 CA L8P 2B5  
 Contact: HEIDI LEINGARTNER

To discuss this sample report, contact Customer Service at 1-800-268-2131.  
 Test denoted (\*) outside scope of accreditation, (m) method modified, (e) tested at external lab.  
 Validity of results and interpretation are based on the sample and information as supplied.

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