

# **OIL ANALYSIS REPORT**







Sample Rating Trend



#### Recommendation

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. ( Customer Sample Comment: W02008274)

All component wear rates are normal.

### Contamination

There is no indication of any contamination in the

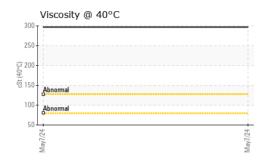
### **Fluid Condition**

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

| id   |                        |           |                            |             |              |          |          |
|--|------------------------|-----------|----------------------------|-------------|--------------|----------|----------|
| ot provided} (8 GA   | ıL)                    |           |                            |             | May2024      |          |          |
|  | SAMPLE INFORM          | ATION     | method                     | limit/base  | current      | history1 | history2 |
|  | Sample Number          |           | Client Info                |             | ML0001057    |          |          |
| ampling has been   | Sample Date            |           | Client Info                |             | 07 May 2024  |          |          |
| t service interval to<br>brand, type, and<br>ext sample. ( Customer<br>274 ) | Machine Age            | hrs       | Client Info                |             | 3578         |          |          |
|  | Oil Age                | hrs       | Client Info                |             | 2000         |          |          |
|  | Oil Changed            | 0         | Client Info                |             | Changed      |          |          |
|  | Sample Status          |           |                            |             | NORMAL       |          |          |
| normal.  | CONTAMINATION          |           | method                     | limit/base  | current      | history1 | history  |
|  | Water                  |           | WC Method                  | >0.2        | NEG          |          |          |
| ontamination in the  | WEAR METALS            |           | method                     | limit/base  | current      | history1 | history  |
|  | Iron                   | ppm       | ASTM D5185m                | >500        | 148          |          |          |
| ceptable for the time in   | Chromium               | ppm       | ASTM D5185m                |             | 4            |          |          |
|  | Nickel                 | ppm       | ASTM D5185m                |             | 1            |          |          |
|  | Titanium               | ppm       | ASTM D5185m                |             | -<br><1      |          |          |
|  | Silver                 | ppm       | ASTM D5185m                |             | 0            |          |          |
|  | Aluminum               | ppm       | ASTM D5185m                | <b>~</b> 30 | 2            |          |          |
|  | Lead                   | ppm       |                            | >50         | <1           |          |          |
|  | Copper                 | ppm       | ASTM D5185m                |             | 6            |          |          |
|  | Tin                    | ppm       | ASTM D5185m                |             | <1           |          |          |
|  | Vanadium               |           | ASTM D5185m                | >20         | <1           |          |          |
|  | Cadmium                | ppm       | ASTM D5185m                |             | <1           |          |          |
|  | ADDITIVES              | p p · · · | method                     | limit/base  | current      | history1 | history  |
|  | Boron                  | nnm       | ASTM D5185m                | mmesacc     | 113          |          |          |
|  | Barium                 | ppm       | ASTM D5185m                |             | 0            |          |          |
|  | Molybdenum             | ppm       | ASTM D5185m                |             | 12           |          |          |
|  |                        | ppm       | ASTM D5185m                |             | 11           |          |          |
|  | Manganese<br>Magnesium | ppm       | ASTM D5185m                |             | 12           |          |          |
|  |                        | ppm       |                            |             |              |          |          |
|  | Calcium                | ppm       | ASTM D5185m<br>ASTM D5185m |             | 3093         |          |          |
|  | Phosphorus             | ppm       |                            |             | 1226         |          |          |
|  | Zinc<br>Sulfur         | ppm       | ASTM D5185m<br>ASTM D5185m |             | 1289<br>3821 |          |          |
|  | CONTAMINANTS           | 1-1-      | method                     | limit/base  | current      | history1 | history  |
|  | Silicon                | ppm       | ASTM D5185m                |             | 26           |          |          |
|  | Sodium                 | ppm       | ASTM D5185m                |             | 7            |          |          |
|  | Potassium              | ppm       | ASTM D5185m                | >20         | 3            |          |          |
|  | VISUAL                 |           | method                     | limit/base  | current      | history1 | history  |
|  | White Metal            | scalar    | *Visual                    | NONE        | NONE         |          |          |
|  | Yellow Metal           | scalar    | *Visual                    | NONE        | NONE         |          |          |
|  | Precipitate            | scalar    | *Visual                    | NONE        | NONE         |          |          |
|  | Silt                   | scalar    | *Visual                    | NONE        | NONE         |          |          |
|  | Debris                 | scalar    | *Visual                    | NONE        | NONE         |          |          |
|  | Sand/Dirt              | scalar    | *Visual                    | NONE        | NONE         |          |          |
|  | Appearance             | scalar    | *Visual                    | NORML       | NORML        |          |          |
|  | Odor                   | scalar    | *Visual                    | NORML       | NORML        |          |          |
|  | Emulsified Water       | scalar    | *Visual                    | >0.2        | NEG          |          |          |
|  | Free Water             | scalar    | *Visual                    |             | NEG          |          |          |

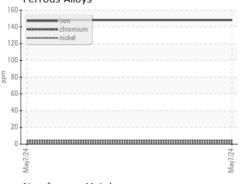


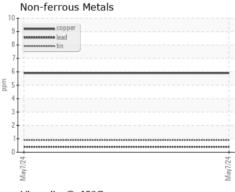
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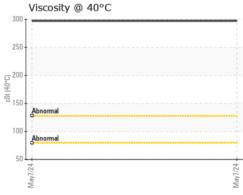


| FLUID PROPERTIES |     | method    | limit/base | current  | history1 | history2 |
|------------------|-----|-----------|------------|----------|----------|----------|
| Visc @ 40°C      | cSt | ASTM D445 |            | 297      |          |          |
| SAMPLE IMAGES    |     | method    | limit/base | current  | history1 | history2 |
| Color            |     |           |            | no image | no image | no image |
| Bottom           |     |           |            | no image | no image | no image |
| CDADUS           |     |           |            |          |          |          |

## Ferrous Alloys









Certificate 12367

Sample No. : ML0001057 Lab Number : 06174362 Unique Number : 11020415

Test Package : CONST

To discuss this sample report, contact Customer Service at 1-800-237-1369.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 09 May 2024 Tested : 10 May 2024

Diagnosed : 13 May 2024 - Don Baldridge

US 20153 Contact: SERVICE MANAGER jimmy\_elswick@wahazel.com T: (703)378-8300

\* - 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)

Report Id: WILCHA [WUSCAR] 06174362 (Generated: 05/16/2024 13:47:10) Rev: 1

Submitted By: DARRELL ANDES

**WILLIAM HAZEL** 

CHANTILLY, VA

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