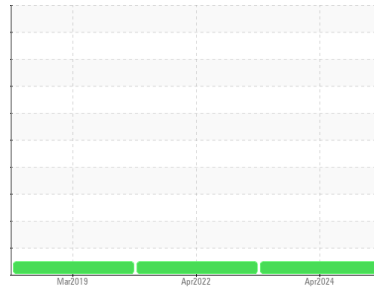




# FUEL REPORT

## Sample Rating Trend



**NORMAL**



Machine Id  
**KOHLER 5GM3233VR**  
 Component  
**Diesel Fuel**  
 Fluid  
**No.2 DIESEL FUEL (LOW-SULPHUR) (--- QTS)**

### DIAGNOSIS

#### Recommendation

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

#### Corrosion

All metal levels are normal indicating no corrosion in the system.

#### Contaminants

The water content is negligible. The amount and size of particulates present in the system are acceptable.

#### Fuel Condition

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

| SAMPLE INFORMATION |             | method      | limit/base | current            | history1    | history2    |
|--------------------|-------------|-------------|------------|--------------------|-------------|-------------|
| Sample Number      | Client Info |             |            | <b>WC0597263</b>   | WC0667307   | WCDF00964   |
| Sample Date        | Client Info |             |            | <b>21 Apr 2024</b> | 17 Apr 2022 | 14 Mar 2019 |
| Machine Age        | hrs         | Client Info |            | <b>0</b>           | 0           | 0           |
| Sample Status      |             |             |            | <b>NORMAL</b>      | NORMAL      | NORMAL      |

| PHYSICAL PROPERTIES |     | method    | limit/base | current     | history1 | history2 |
|---------------------|-----|-----------|------------|-------------|----------|----------|
| Visc @ 40°C         | cSt | ASTM D445 | 3.0        | <b>2.46</b> | 2.48     | 2.31     |

| SULFUR CONTENT |     | method      | limit/base | current      | history1 | history2 |
|----------------|-----|-------------|------------|--------------|----------|----------|
| Sulfur         | ppm | ASTM D5185m | 250        | <b>&lt;1</b> | 16       | 142      |

| CONTAMINANTS |     | method      | limit/base | current      | history1 | history2 |
|--------------|-----|-------------|------------|--------------|----------|----------|
| Silicon      | ppm | ASTM D5185m | <1.0       | <b>2</b>     | 3        | 0        |
| Sodium       | ppm | ASTM D5185m | <0.1       | <b>&lt;1</b> | 0        | <1       |
| Potassium    | ppm | ASTM D5185m | <0.1       | <b>0</b>     | 0        | 0        |
| Water        | %   | ASTM D6304  | <0.05      | <b>0.004</b> | 0.003    | 0.003    |
| ppm Water    | ppm | ASTM D6304  | <500       | <b>42</b>    | 30.9     | 30       |

| FLUID CLEANLINESS |  | method       | limit/base | current         | history1 | history2 |
|-------------------|--|--------------|------------|-----------------|----------|----------|
| Particles >4µm    |  | ASTM D7647   | >2500      | <b>2315</b>     | 1336     | ---      |
| Particles >6µm    |  | ASTM D7647   | >640       | <b>624</b>      | 250      | ---      |
| Particles >14µm   |  | ASTM D7647   | >80        | <b>41</b>       | 23       | ---      |
| Particles >21µm   |  | ASTM D7647   | >20        | <b>11</b>       | 4        | ---      |
| Particles >38µm   |  | ASTM D7647   | >4         | <b>0</b>        | 0        | ---      |
| Particles >71µm   |  | ASTM D7647   | >3         | <b>0</b>        | 0        | ---      |
| Oil Cleanliness   |  | ISO 4406 (c) | >18/16/13  | <b>18/16/13</b> | 18/15/12 | ---      |

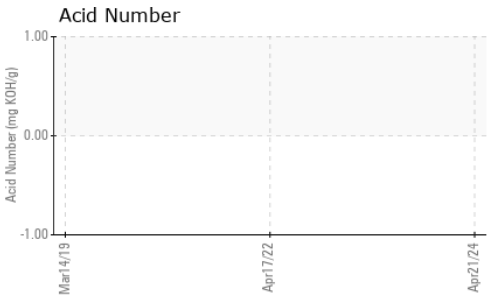
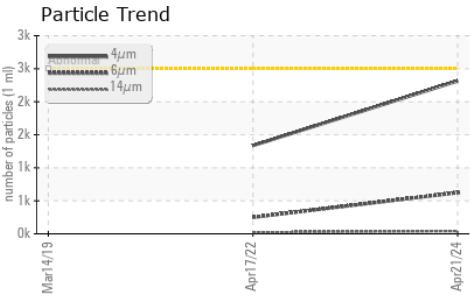
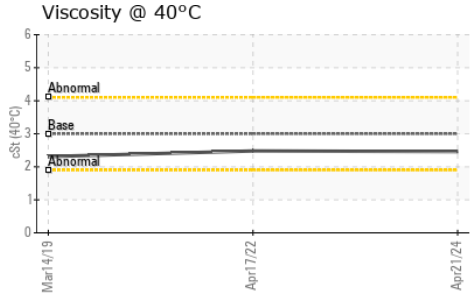
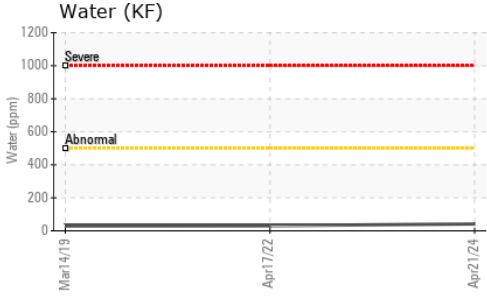
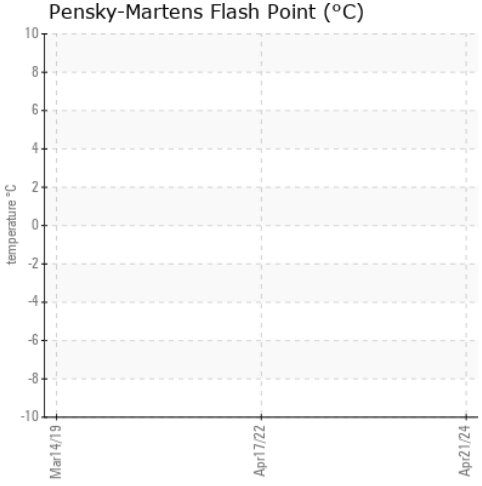
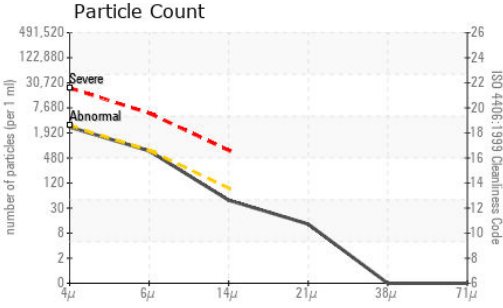
| HEAVY METALS |     | method      | limit/base | current  | history1 | history2 |
|--------------|-----|-------------|------------|----------|----------|----------|
| Aluminum     | ppm | ASTM D5185m | <0.1       | <b>0</b> | 0        | 0        |
| Nickel       | ppm | ASTM D5185m | <0.1       | <b>0</b> | 0        | 0        |
| Lead         | ppm | ASTM D5185m | <0.1       | <b>0</b> | 0        | 0        |
| Vanadium     | ppm | ASTM D5185m | <0.1       | <b>0</b> | 0        | 0        |
| Iron         | ppm | ASTM D5185m | <0.1       | <b>0</b> | 0        | 0        |
| Calcium      | ppm | ASTM D5185m | <0.1       | <b>0</b> | 0        | <1       |
| Magnesium    | ppm | ASTM D5185m | <0.1       | <b>0</b> | 0        | 0        |
| Phosphorus   | ppm | ASTM D5185m | <0.1       | <b>0</b> | 4        | 0        |
| Zinc         | ppm | ASTM D5185m | <0.1       | <b>0</b> | 0        | <1       |

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



# FUEL REPORT

## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0597263  
**Lab Number** : 06157163  
**Unique Number** : 10992586  
**Test Package** : MOB 1 ( Additional Tests: KF, PrtCount )

**Received** : 22 Apr 2024  
**Tested** : 25 Apr 2024  
**Diagnosed** : 25 Apr 2024 - Jonathan Hester

**CHRIST HOME**  
 1 SHEPERDS WAY  
 WARMINSTER, PA  
 US 18974  
 Contact: DAN FLANAGAN

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)

T: (215)956-2270

F: