

FUEL REPORT

Sample Rating Trend



270 GAL SBT - FIRSTHEALTH MOORE REGIONAL

Component

Diesel Fuel

NOT GIVEN (270 GAL)

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. All laboratory tests indicate that this sample meets specifications for No.2 diesel fuel, low sulfur.

Corrosion

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

Contaminants

There is a moderate amount of silt (particulates < 14 microns in size) present in the fuel. The water content is negligible. There is no bacteria or fungus (yeast and/or mold) indicated in the sample.

Fuel Condition

Sulfur value derived by ASTM D5453 method for ULSD validation.

| | | | No | v2022 | | |
|----------------------------|--------|------------------|--------------|-------------|-------------|------------------|
| SAMPLE INFORM | MATION | method | limit/base | current | history1 | history2 |
| Sample Number | | Client Info | , | WC05693075 | | |
| Sample Date | | Client Info | | 11 Nov 2022 | | |
| Machine Age | hrs | Client Info | | 0 | | |
| Sample Status | | | | ATTENTION | | |
| PHYSICAL PROP | ERTIES | method | limit/base | current | history1 | history2 |
| Specific Gravity | | *ASTM D1298 | | 0.839 | | |
| Fuel Color | text | *Visual Screen | | Red | | |
| ASTM Color | scalar | *ASTM D1500 | | L4.5 | | |
| Visc @ 40°C | cSt | ASTM D445 | | 2.53 | | |
| Pensky-Martens Flash Point | °C | *PMCC Calculated | | 66 | | |
| <u> </u> | | | lineit/lenen | | lai ata mud | la i a ta uu . O |
| SULFUR CONTE | | method | limit/base | current | history1 | history2 |
| Sulfur | ppm | ASTM D5185m | | 0 | | |
| Sulfur (UVF) | ppm | ASTM D5453 | | 72 | | |
| DISTILLATION | | method | limit/base | current | history1 | history2 |
| Initial Boiling Point | °C | ASTM D86 | | 169 | | |
| 5% Distillation Point | °C | ASTM D86 | | 193 | | |
| 10% Distill Point | °C | ASTM D86 | | 203 | | |
| 15% Distillation Point | °C | ASTM D86 | | 211 | | |
| 20% Distill Point | °C | ASTM D86 | | 219 | | |
| 30% Distill Point | °C | ASTM D86 | | 232 | | |
| 40% Distill Point | °C | ASTM D86 | | 246 | | |
| 50% Distill Point | °C | ASTM D86 | | 260 | | |
| 60% Distill Point | °C | ASTM D86 | | 274 | | |
| 70% Distill Point | °C | ASTM D86 | | 290 | | |
| 80% Distill Point | °C | ASTM D86 | | 306 | | |
| 85% Distillation Point | °C | ASTM D86 | | 316 | | |
| 90% Distill Point | °C | ASTM D86 | | 327 | | |
| 95% Distillation Point | °C | ASTM D86 | | 342 | | |
| Final Boiling Point | °C | ASTM D86 | | 352 | | |
| Distillation Residue | % | ASTM D86 | | 1.4 | | |
| Distillation Loss | % | ASTM D86 | | 0.6 | | |
| IGNITION QUALIT | ΓΥ | method | limit/base | current | history1 | history2 |
| API Gravity | | ASTM D7777 | | 37.2 | | |
| Cetane Index | | ASTM D4737 | <40.0 | 48.9 | | |
| CONTAMINANTS | | method | limit/base | current | history1 | history2 |
| Silicon | ppm | ASTM D5185m | <1.0 | 0 | | |
| Sodium | ppm | ASTM D5185m | <0.1 | <1 | | |
| Potassium | ppm | ASTM D5185m | <0.1 | 0 | | |
| Water | % | ASTM D6304 | <0.05 | 0.003 | | |
| ppm Water | ppm | ASTM D6304 | <500 | 33.6 | | |
| % Gasoline | % | *In-House | <0.50 | 0.0 | | |
| % Biodiesel | % | *In-House | <20.0 | 2.0 | | |
| /o Diodiosci | /0 | 111110036 | ~LU.U | 2.0 | | |

Contact/Location: JOEL THOMAS - GAIGOL



FUEL REPORT





Certificate L2367

Laboratory Sample No. Lab Number **Unique Number**

: WC05693075 : 05693075

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

Diagnosed : 10217648 Diagnostician : Doug Bogart

Test Package : DF-2 (Additional Tests: Screen)

: 14 Nov 2022

: 21 Nov 2022

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)

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