

FUEL REPORT

Zinc

ppm

ASTM D5185m <0.1

<1

Area [SR3497076] GENERAC SD0350 9421150 - GEN 01

Diesel Fuel

Fluid No.2 DIESEL FUEL (ULTRALOW SULPHUR) (--- GAL)

DIAGNOSIS

Recommendation

All laboratory tests indicate that this sample meets specifications for No.2 ultra-low-sulfur diesel fuel.

Corrosion

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

Contaminants

The water content is negligible. There is no Bacteria, Yeast and/or Fungus indicated in the sample. There is no indication of any contamination in the fuel. The amount and size of particulates present in the system are acceptable.

Fuel Condition

Sulfur value derived by ASTM D4294 method for ULSD validation. Sulfur level is acceptable for ULSD specification.



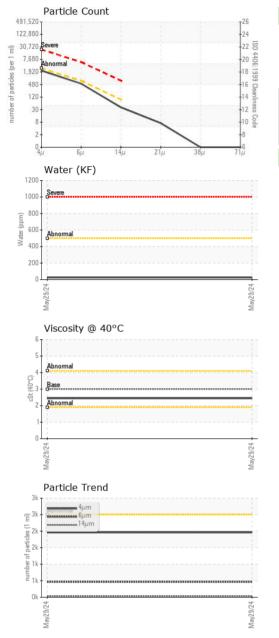
Sample Rating Trend



| SAMPLE INFORM | 1ATION | method | limit/base | current | history1 | history2 |
|-----------------|--------|--------------|------------|-------------|----------|----------|
| Sample Number | | Client Info | | DC0036988 | | |
| Sample Date | | Client Info | | 29 May 2024 | | |
| Machine Age | hrs | Client Info | | 299 | | |
| Sample Status | | | | NORMAL | | |
| PHYSICAL PROP | ERTIES | method | limit/base | current | history1 | history2 |
| ASTM Color | scalar | *ASTM D1500 | | L4.0 | | |
| Visc @ 40°C | cSt | ASTM D445 | 3.0 | 2.44 | | |
| SULFUR CONTER | NT | method | limit/base | current | history1 | history2 |
| Sulfur | ppm | ASTM D5185m | 10 | 7 | | |
| Sulfur (UVF) | ppm | ASTM D5453 | | 14 | | |
| IGNITION QUALIT | ΓY | method | limit/base | current | history1 | history2 |
| API Gravity | | ASTM D7777 | 37.7 | 37.2 | | |
| CONTAMINANTS | | method | limit/base | current | history1 | history2 |
| Silicon | ppm | ASTM D5185m | <1.0 | <1 | | |
| Sodium | ppm | ASTM D5185m | <0.1 | 2 | | |
| Potassium | ppm | ASTM D5185m | <0.1 | 2 | | |
| Water | % | ASTM D6304 | <0.05 | 0.002 | | |
| ppm Water | ppm | ASTM D6304 | <500 | 24 | | |
| % Gasoline | % | *In-House | <0.50 | 0.0 | | |
| % Biodiesel | % | *In-House | <20.0 | 0.0 | | |
| FLUID CLEANLIN | ESS | method | limit/base | current | history1 | history2 |
| Particles >4µm | | ASTM D7647 | >2500 | 1960 | | |
| Particles >6µm | | ASTM D7647 | >640 | 465 | | |
| Particles >14µm | | ASTM D7647 | >80 | 34 | | |
| Particles >21µm | | ASTM D7647 | >20 | 6 | | |
| Particles >38µm | | ASTM D7647 | >4 | 0 | | |
| Particles >71µm | | ASTM D7647 | >3 | 0 | | |
| Oil Cleanliness | | ISO 4406 (c) | >18/16/13 | 18/16/12 | | |
| HEAVY METALS | | method | limit/base | current | history1 | history2 |
| Aluminum | ppm | ASTM D5185m | <0.1 | 0 | | |
| Nickel | ppm | ASTM D5185m | <0.1 | <1 | | |
| Lead | ppm | ASTM D5185m | <0.1 | 0 | | |
| Vanadium | ppm | ASTM D5185m | <0.1 | 0 | | |
| Iron | ppm | ASTM D5185m | <0.1 | 0 | | |
| Calcium | ppm | ASTM D5185m | <0.1 | 0 | | |
| Magnesium | ppm | ASTM D5185m | <0.1 | 1 | | |
| Phosphorus | ppm | ASTM D5185m | <0.1 | 0 | | |









Pensky-Martens Flash Point (°C)

KELLY GENERATOR & EQUIPMENT INC Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 Sample No. : DC0036988 Received : 13 Jun 2024 1955 DALE LN Lab Number : 06209101 Tested : 20 Jun 2024 OWINGS, MD Unique Number : 11076562 Diagnosed : 20 Jun 2024 - Elizabeth Valachovic US 20736 Test Package : DF-5 (Additional Tests: API, Cetane, Fuel, PrtCount, Screen) Contact: LESLIE SNURR Certificate 12367 To discuss this sample report, contact Customer Service at 1-800-237-1369. LSNURR@KGE.COM * - Denotes test methods that are outside of the ISO 17025 scope of accreditation. T: (410)257-5225 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F: (410)257-5227

Contact/Location: LESLIE SNURR - KELOWI