



FUEL REPORT

| | |
|----------------|---------------|
| CORROSION | NORMAL |
| CONTAMINANTS | NORMAL |
| FUEL CONDITION | NORMAL |

Area
[PMIAS3286683]
 Machine Id
GENERAC 10475170100 2100972
 Component
Diesel Fuel
 Fluid
No.2 DIESEL FUEL (LOW-SULPHUR) (9 GAL)

RECOMMENDATION

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

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|---------------|-----|-------------|-----------|--------------------|-------------|-------------|
| Sample Number | | Client Info | | DC0034692 | DC0025198 | DC0014142 |
| Sample Date | | Client Info | | 23 Feb 2024 | 21 Mar 2023 | 12 Jan 2022 |
| Machine Age | hrs | Client Info | | 615 | 590 | 560 |
| Sample Status | | | | NORMAL | NORMAL | NORMAL |

CORROSION

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

| | | | | | | |
|----------|-----|-------------|------|----------|---|---|
| Aluminum | ppm | ASTM D5185m | <0.1 | 0 | 0 | 0 |
| Nickel | ppm | ASTM D5185m | <0.1 | 0 | 0 | 0 |
| Lead | ppm | ASTM D5185m | <0.1 | 0 | 0 | 0 |
| Vanadium | ppm | ASTM D5185m | <0.1 | 0 | 0 | 0 |
| Iron | ppm | ASTM D5185m | <0.1 | 0 | 0 | 0 |

CONTAMINANTS

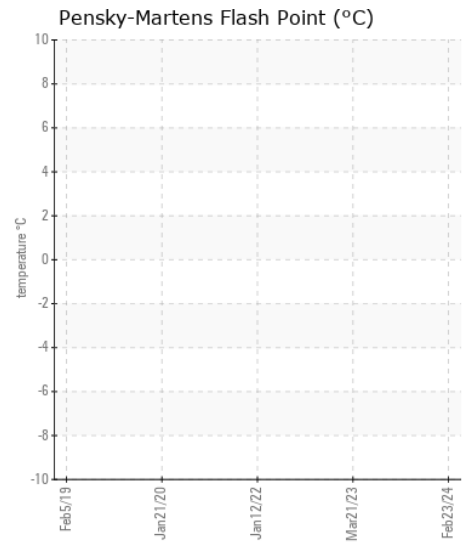
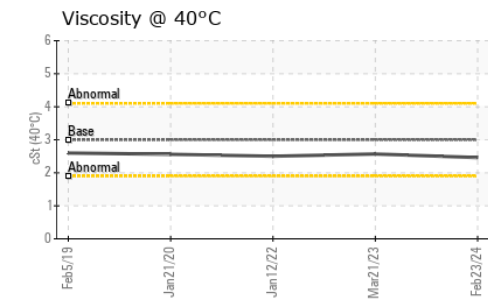
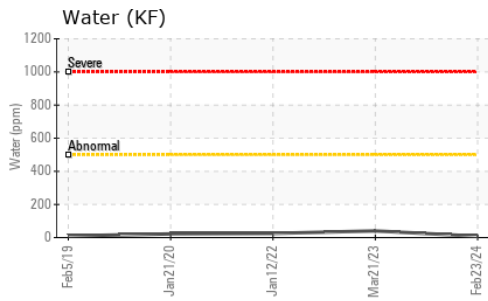
The water content is negligible. There is no bacteria or fungus (yeast and/or mold) indicated in the sample. There is no indication of any contamination in the fuel.

| | | | | | | |
|-----------------|-----|--------------|-----------|--------------|----------|----------|
| Silicon | ppm | ASTM D5185m | <1.0 | 2 | 1 | 0 |
| Sodium | ppm | ASTM D5185m | <0.1 | <1 | 0 | 0 |
| Potassium | ppm | ASTM D5185m | <0.1 | 0 | <1 | 0 |
| Water | % | ASTM D6304 | <0.05 | 0.001 | 0.004 | 0.002 |
| ppm Water | ppm | ASTM D6304 | <500 | 8 | 40.3 | 25.0 |
| Particles >4µm | | ASTM D7647 | >2500 | --- | 1826 | 711 |
| Particles >6µm | | ASTM D7647 | >640 | --- | 623 | 280 |
| Particles >14µm | | ASTM D7647 | >80 | --- | 56 | 43 |
| Particles >21µm | | ASTM D7647 | >20 | --- | 12 | 10 |
| Particles >38µm | | ASTM D7647 | >4 | --- | 1 | 0 |
| Particles >71µm | | ASTM D7647 | >3 | --- | 0 | 0 |
| Oil Cleanliness | | ISO 4406 (c) | >18/16/13 | --- | 18/16/13 | 17/15/13 |
| % Gasoline | % | *In-House | <0.50 | 0.0 | 0.0 | 0.0 |
| % Biodiesel | % | *In-House | <20.0 | 0.0 | 0.0 | 0.0 |
| Calcium | ppm | ASTM D5185m | <0.1 | 0 | <1 | 0 |
| Magnesium | ppm | ASTM D5185m | <0.1 | 0 | 0 | 0 |
| Phosphorus | ppm | ASTM D5185m | <0.1 | 0 | 1 | 1 |
| Zinc | ppm | ASTM D5185m | <0.1 | 0 | 0 | 0 |

FUEL CONDITION

Sulfur value derived by ASTM D5453 method for ULSD validation. Sulfur level is acceptable for ULSD specification.

| | | | | | | |
|--------------|--------|-------------|------|-------------|------|------|
| ASTM Color | scalar | *ASTM D1500 | | L2.5 | L1.5 | L1.0 |
| Visc @ 40°C | cSt | ASTM D445 | 3.0 | 2.46 | 2.57 | 2.5 |
| Sulfur | ppm | ASTM D5185m | 250 | 0 | 0 | 19 |
| Sulfur (UVF) | ppm | ASTM D5453 | | 15 | 18 | 18 |
| API Gravity | | ASTM D7777 | 37.7 | 36.7 | --- | 36.5 |



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : DC0034692
Lab Number : 06122861
Unique Number : 10937012
Test Package : DF-5 (Additional Tests: API, Cetane, Fuel, Screen)

KELLY GENERATOR & EQUIPMENT INC
 1955 DALE LN
 OWINGS, MD
 US 20736
 Contact: LESLIE SNURR
 LSNURR@KGE.COM
 T: (410)257-5225
 F: (410)257-5227

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)