



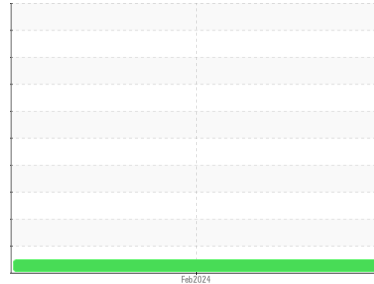
FUEL REPORT

Sample Rating Trend

NORMAL



Area
[PMIAS2592359]
 Machine Id
NOT GIVEN DC0034035 - PMIAS2592359 (S/N NO INFO ON SIF/BOTTLE)
 Component
Diesel Fuel
 Fluid
{not provided} (--- QTS)



DIAGNOSIS

Recommendation

All laboratory tests indicate that this sample meets specifications for No.2 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 or fungus (yeast and/or mold) indicated in the sample. There is no indication of any contamination in the fuel.

Fuel Condition

Sulfur value derived by ASTM D5453 method for ULSD validation.

| SAMPLE INFORMATION | | method | limit/base | current | history1 | history2 |
|--------------------|-------------|-------------|------------|--------------------|----------|----------|
| Sample Number | Client Info | | | DC0034035 | --- | --- |
| Sample Date | Client Info | | | 21 Feb 2024 | --- | --- |
| Machine Age | hrs | Client Info | | 0 | --- | --- |
| Sample Status | | | | NORMAL | --- | --- |

| PHYSICAL PROPERTIES | | method | limit/base | current | history1 | history2 |
|---------------------|--------|-------------|------------|-------------|----------|----------|
| ASTM Color | scalar | *ASTM D1500 | | L4.5 | --- | --- |
| Visc @ 40°C | cSt | ASTM D445 | | 2.44 | --- | --- |

| SULFUR CONTENT | | method | limit/base | current | history1 | history2 |
|----------------|-----|-------------|------------|------------|----------|----------|
| Sulfur | ppm | ASTM D5185m | | 182 | --- | --- |
| Sulfur (UVF) | ppm | ASTM D5453 | | 156 | --- | --- |

| IGNITION QUALITY | | method | limit/base | current | history1 | history2 |
|------------------|--|------------|------------|-------------|----------|----------|
| API Gravity | | ASTM D7777 | | 36.4 | --- | --- |

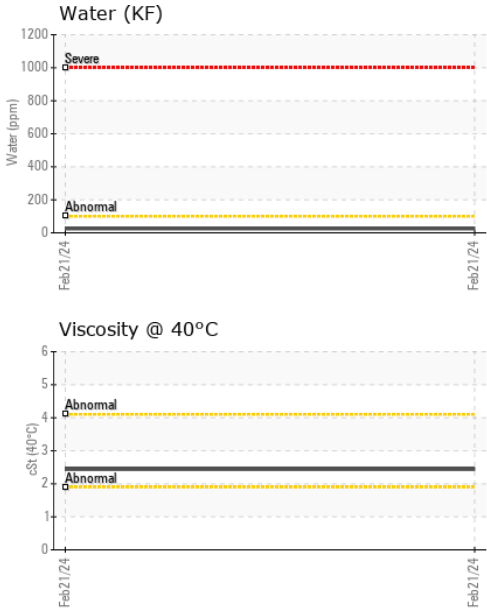
| CONTAMINANTS | | method | limit/base | current | history1 | history2 |
|--------------|-----|-------------|------------|--------------|----------|----------|
| Silicon | ppm | ASTM D5185m | <1.0 | <1 | --- | --- |
| Sodium | ppm | ASTM D5185m | <0.1 | <1 | --- | --- |
| Potassium | ppm | ASTM D5185m | <0.1 | <1 | --- | --- |
| Water | % | ASTM D6304 | <0.05 | 0.002 | --- | --- |
| ppm Water | ppm | ASTM D6304 | <500 | 25 | --- | --- |
| % Gasoline | % | *In-House | <0.50 | 0.0 | --- | --- |
| % Biodiesel | % | *In-House | <20.0 | 0.0 | --- | --- |

| 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 | 1 | --- | --- |
| Magnesium | ppm | ASTM D5185m | <0.1 | <1 | --- | --- |
| Phosphorus | ppm | ASTM D5185m | <0.1 | <1 | --- | --- |
| Zinc | ppm | ASTM D5185m | <0.1 | 0 | --- | --- |

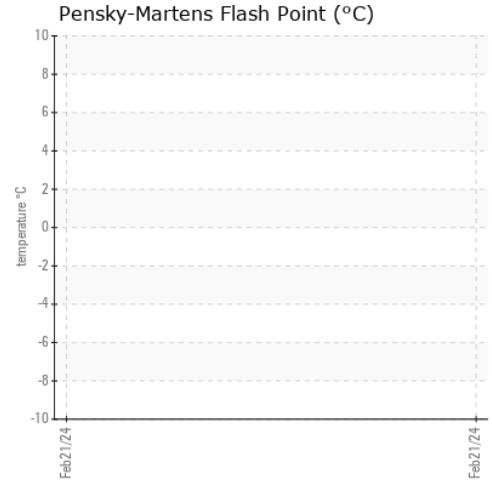
| SAMPLE IMAGES | | method | limit/base | current | history1 | history2 |
|---------------|--|--------|------------|-----------------|-----------------|-----------------|
| Color | | | | <i>no image</i> | <i>no image</i> | <i>no image</i> |
| Bottom | | | | <i>no image</i> | <i>no image</i> | <i>no image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



FUEL REPORT



GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : DC0034035
Lab Number : 06098058
Unique Number : 10896288
Test Package : DF-5 (Additional Tests: API, Cetane, Fuel, Screen)

Received : 22 Feb 2024
Tested : 27 Feb 2024
Diagnosed : 27 Feb 2024 - Doug Bogart

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